



STIC Search Report

EIC 3600

STIC Database Tracking Number: 193176

TO: Michael Butler
Location: KNX 05 A69
Art Unit : 3653

Case Serial Number: 10/697631

From: Paul Obiniyi
Location: EIC 3600
KNX 4B68 RM4B59
Phone: 27734

paul.obiniyi@uspto.gov

Search Notes

Dear Examiner Butler,

Attached please find the results of your search. Please feel free to contact me if you have additional questions or would like a re-focus search. Thank you and have a great day.

Paul



44

STIC EIC 3600 Search Request Form

193176

Today's Date: 6/16/06 Class/Subclass _____ What date would you like to use to limit the search?
Priority Date: 10/29/02 Other: _____

Name Milo Butler
AU 3683 Examiner # 74655
Room # 3B19 Phone 2-6937
Serial # 101697631

Format for Search Results (Circle One):

PAPER DISK EMAIL

Where have you searched so far?

USP DWPI EPO JPO ACM IBM TDB

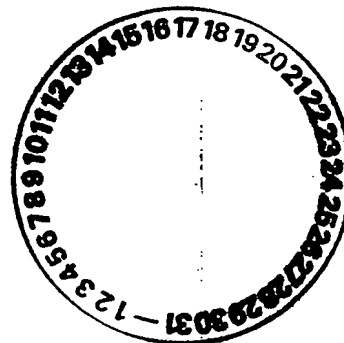
IEEE INSPEC SPI Other _____

Is this a "Fast & Focused" Search Request? (Circle One) YES NO

A "Fast & Focused" Search is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC3600 and on the EIC3600 NPL Web Page at <http://ptoweb/patents/stic/stic-ic3600.htm>.

What is the topic, novelty, motivation, utility, or other specific details defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, definitions, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract, background, brief summary, pertinent claims and any citations of relevant art you have found.

Invention: A tablet dispensing machine comprising a wheel with a series of distribution channels. The channels have a set of spring loaded push pins that are cam actuated to open and close the channels to permit the tablets to access the channel or have the channels block the pins. The cam is located in the over which the wheel rotates. The cam may be under computer control to control and activate the cam and in turn the pin.



STIC Searcher Paul Obinigi Phone 217 113 1
Date picked up 06/23/06 Date Completed 06/26/06





STIC Search Results Feedback Form

EIC 3600

Questions about the scope or the results of the search? Contact *the EIC searcher* or contact:

Karen Lehman, EIC 3600 Team Leader
KNX 4A58, 571-271-3496

Voluntary Results Feedback Form

➤ I am an examiner in Workgroup: Example: 3620 (optional)

➤ Relevant prior art **found**, search results used as follows:

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature
(journal articles, conference proceedings, new product announcements etc.)

➤ Relevant prior art **not found**:

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to EIC3600 PK5 Suite 804



? show files; ds; save temp; logoff hold

Terminal set to DLINK

?

File 344:Chinese Patents Abs Jan 1985-2006/Jan

(c) 2006 European Patent Office

File 347:JAPIO Dec 1976-2005/Dec(Updated 060404)

(c) 2006 JPO & JAPIO

File 350:Derwent WPIX 1963-2006/UD,UM &UP=200640

(c) 2006 The Thomson Corp.

Set	Items	Description
S1	1432	(CAPSULE? ? OR DOSE OR DRUG OR MEDICAMENT OR MEDICATION? ? OR TABLET? ? OR PHARMAC? OR PHARMACEUT? OR DRUG? ? OR MEDICINE? ?) (7N) (DISPENS? OR VENDING) (7N) (MACHINE? ? OR APPARATUS - OR DEVICE? ?)
S2	1483566	WHEEL? ? OR ROLLER? ? OR (ROTAT? OR REVOLV? OR ROTARY OR SPIN? ? OR SPINN??? OR CIRCUMROTAT??? OR TRANSPORT) () (ELEMENT? ? OR MEMBER? ?) OR ROTOR? ? OR ROTAT?R? ? OR DRUM? ?
S3	456260	(CHANNEL? ? OR PATH? ? OR TROUGH? ? OR PASSAGE? ? OR OUTLET? ? OR CONDUIT? ? OR SLOPE? ? OR SLOPING OR TRENCH?? OR FURROW? ?) (7N) (SUPPL??? OR DELIVER??? OR PROVID??? OR ALLOCAT? OR ASSIGN? OR PORTION? OR SHAR?)
S4	457300	SPRING(5N)PUSH(5N)PIN? ? OR PUSH(5N)PIN? ? OR PIN? ?
S5	12363	(CAM? ? OR CAMSHAFT? ? OR CAM()SHAFT? ? OR CAM()LOBE? ?) (7N) (TRIGGER? OR INITIALI? OR ACTIVATE? OR ACTUAT?)
S6	173770	(UNLOCK??? OR OPEN??? OR UNLATCH?? OR UNSEAL??? OR RELEAS?? OR UNFASTEN??? OR UNCLOS???) (7N) (CHANNEL? ? OR PATH? ? OR TROUGH? ? OR PASSAGE? ? OR OUTLET? ? OR CONDUIT? ? OR SLOPE? ? OR SLOPING OR TRENCH?? OR FURROW? ?)
S7	117488	(CLOS??? OR SEALED OR LOCKED OR SHUT OR SECURED OR FASTENED) (7N) (CHANNEL? ? OR PATH? ? OR TROUGH? ? OR PASSAGE? ? OR OUTLET? ? OR CONDUIT? ? OR SLOPE? ? OR SLOPING OR TRENCH?? OR FURROW? ?)
S8	2	AU=(VASIADIS, V? OR VASIADIS V?)
S9	102	S1 AND S2
S10	7	S9 AND S3
S11	3	S9 AND S4
S12	3	S11 NOT S10
S13	0	S9 AND S5
S14	8	S9 AND S6
S15	4	S14 NOT (S8 OR S10 OR S11)
S16	1	S9 AND S7
S17	0	S16 NOT (S8 OR S10 OR S11 OR S14)

8/3,K/1 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX
(c) 2006 The Thomson Corp. All rts. reserv.

016990071 **Image available**
WPI Acc No: 2005-314388/200532
Related WPI Acc No: 2004-592965
XRPX Acc No: N05-256994

Item e.g. tablet, dispensing device, has actuator slidably disposed in wheel and retaining item to be dispensed from device, and accept chute disposed adjacent to wheel and receiving items that are being dispensed

Patent Assignee: VASIADIS V (VASI-I)

Inventor: **VASIADIS V**

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20050092660	A1	20050505	US 2003697631	A	20031029	200532 B
			US 2004872882	A	20040621	

Priority Applications (No Type Date): US 2004872882 A 20040621; US 2003697631 A 20031029

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20050092660	A1	24	B07C-005/00	CIP of application	US 2003697631

Inventor: **VASIADIS V**

8/3,K/2 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX
(c) 2006 The Thomson Corp. All rts. reserv.

016435048 **Image available**
WPI Acc No: 2004-592965/200457
Related WPI Acc No: 2005-314388
XRPX Acc No: N04-468952

Handling and orienting device for pills or tablets, has at least one push pin that selectively slides against spring, selectively slides along distribution channel or selectively leaves distribution channel

Patent Assignee: VASIADIS V (VASI-I)

Inventor: **VASIADIS V**

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20040159668	A1	20040819	US 2003442179	P	20030123	200457 B
			US 2003697631	A	20031029	
US 20050236421	A9	20051027	US 2003442179	P	20030123	200571
			US 2003697631	A	20031029	

Priority Applications (No Type Date): US 2003442179 P 20030123; US 2003697631 A 20031029

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20040159668	A1	38	B65H-003/00	Provisional application	US 2003442179

US 20050236421 A9 B65H-003/00 Provisional application US 2003442179

Inventor: **VASIADIS V**

10/3,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2006 The Thomson Corp. All rts. reserv.

017445143 **Image available**
WPI Acc No: 2005-768822/200578
XRAM Acc No: C05-235076
XRPX Acc No: N05-634795

Multiple unit dose drug delivery device e.g. ophthalmic drug delivery device, comprises disposable ampoule with pierceable region; firing mechanism to pierce ampoule by pressure; firing control; and lever to place device in fire position

Patent Assignee: MYSTIC PHARM INC (MYST-N)
Inventor: NELSON J; SULLIVAN T R
Number of Countries: 110 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 2005102058	A2	20051103	WO 2005US13962	A	20050425	200578 B

Priority Applications (No Type Date): US 2004564734 P 20040423

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 2005102058	A2	E	85	A01N-063/00	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ
CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID
IL IN IS JP KE KG KM KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX
MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SM SY TJ TM TN TR
TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Designated States (Regional): AT BE BG BW CH CY CZ DE DK EA EE ES FI FR
GB GH GM GR HU IE IS IT KE LS LT LU MC MW MZ NA NL OA PL PT RO SD SE SI
SK SL SZ TR TZ UG ZM ZW

Abstract (Basic):

... delivery device includes a delivery device to direct the released drug to an eye, nasal **passage** or ear canal of a user. The **delivery device** includes an eye cup (e.g. integrated ampoule ophthalmic **dispenser**). The **drug** is atomized or aerosolized on release from the ampoule. The ampoule is placed in an...

...safer, easy, convenient and inexpensive way; reduces drug waste due to excessive or error prone **drug** delivery encountered with traditional eye dropper bottles and **devices** for **drug** delivery ear and nose; **dispenses** precise amount of **drug** to the precise location such as user's eye, nose or ear, reducing the risk...

...drug administration, and difficulties associated with eye dropper delivery system. The ampoules used in the **drug** delivery **device** to **dispense** the **drug** cannot be repeatedly used by the user. The one-time use nature of the ampoules...

...ampoules. The eyecup reduces the user's eye blink rate. The atomization of the liquid **drug** before administration facilitates **drug** administration. In addition, gravity is not required for **dispensing drugs** from the delivery **device**, hence the **devices** can be operated from a wide range of physical orientations such as upright/horizontal/vertical...

Technology Focus:

... Preferred **Device** : The delivery **device** includes an eye cup

(e.g. integrated ampoule ophthalmic **dispenser**). The **drug** is atomized or aerosolized on release from the ampoule. The ampoule is placed in an...

...of air or gas. Pressure is applied to the ampoule by a piston, plunger or **roller** . The firing mechanism is a hinge, spring, cam or motorized drive, and the ampoules are...

10/3,K/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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016838860

WPI Acc No: 2005-163143/200517

XRAM Acc No: C05-052807

XRPX Acc No: N05-136790

Dispenser for dispensing a combination medicament product contains several elongate form medicament carriers having multiple distinct medicament dose portions and has housing of non-circular form

Patent Assignee: GLAXO GROUP LTD (GLAX)

Inventor: AUGUSTYN S; CROSBY G T; DAVIES M B; HARVEY S J; PALMER M G; RAND P K; WILSON A A

Number of Countries: 108 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200514089	A1	20050217	WO 2004EP8235	A	20040721	200517 B

Priority Applications (No Type Date): GB 200317374 A 20030724

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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WO 200514089	A1	E 126	A61M-015/00	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Designated States (Regional): AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NA NL OA PL PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW

Abstract (Basic):

... while not compromising its function. Overall space efficiency may be improved by configuration of the **dispensing device** to more effectively accommodate the **medicament** carriers...

Technology Focus:

... peeling apart a peelable blister strip form medicament carrier. The outlet is a single common **outlet** , which communicates with the distinct medicament dose **portions** on their release. The common **outlet** is shaped to encourage mixing of the released medicament dose portions. A single indexer indexes...

...a pocket that has been received at the opening station. The lid driver comprises a **wheel** on which the lid sheet is wound up. The **wheel** is arranged to progressively collapse as the lid sheet becomes wound around it to provide...

...comprises a torsion spring mountable at the lid driver. The indexer

comprises a rotatable index **wheel** having several blister
pocket-engaging recesses provided in it. Any or all components of the
...

10/3,K/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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016022484 **Image available**

WPI Acc No: 2004-180335/200417

Related WPI Acc No: 2003-608171; 2003-747993; 2004-169221; 2004-169222

XRAM Acc No: C04-071296

XRPX Acc No: N04-143415

**Medicament dispenser for delivering combination medicament product for
e.g. bronchodilation therapy, includes medicament components kept
separate from each other until point of release, and baffle for promoting
mixing of released contents**

Patent Assignee: GLAXO GROUP LTD (GLAX); BONNEY S G (BONN-I); DAVIES M B
(DAVI-I)

Inventor: BONNEY S G; DAVIES M B

Number of Countries: 106 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200411067	A1	20040205	WO 2003EP8144	A	20030723	200417 B
AU 2003250166	A1	20040216	AU 2003250166	A	20030723	200453
EP 1534367	A1	20050601	EP 2003771091	A	20030723	200536
			WO 2003EP8144	A	20030723	
JP 2005533581	W	20051110	WO 2003EP8144	A	20030723	200574
			JP 2004523786	A	20030723	
US 20050268908	A1	20051208	WO 2003EP8144	A	20030723	200580
			US 2005522325	A	20050125	

Priority Applications (No Type Date): GB 200217199 A 20020725

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 200411067	A1	E	63	A61M-015/00	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO
NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US
UZ VC VN YU ZA ZM ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB
GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR TZ
UG ZM ZW

AU 2003250166	A1			A61M-015/00	Based on patent WO 200411067
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EP 1534367	A1	E		A61M-015/00	Based on patent WO 200411067
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Designated States (Regional): AL AT BE BG CH CY CZ DE DK EE ES FI FR GB
GR HU IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR

JP 2005533581	W		36	A61M-015/00	Based on patent WO 200411067
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US 20050268908	A1			B05D-007/14	
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Abstract (Basic):

... 100) comprises medicament-containing blister strips (101a, 101b)
for containing medicament components, multi-pocket index **wheels**
(106a, 106b) for releasing contents of the strips, and a baffle (140)
for promoting mixing...

... Multi-pocket index **wheels** (106a, 106b...

Technology Focus:

... a mixing chamber (130) including an inlet for receiving released

medicament contents and a common **outlet** (124) for **delivery** of combination medicament product to the patient. The dispenser includes an actuation indicator and a...

...Preferred **Device** : The **medicament dispenser** is in the form of an inhalation **device** , where the mixing chamber is arranged to harness the energy provided by a patient's...

10/3,K/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015007256

WPI Acc No: 2003-067773/200306

XRAM Acc No: C03-017816

XRPX Acc No: N03-052554

Medicament delivery device useful for treating respiratory disorders comprises a medicament reservoir, metering member and a delivery channel

Patent Assignee: ML LAB PLC (MLML-N)

Inventor: BRAITHWAITE P

Number of Countries: 100 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200289882	A1	20021114	WO 2002GB2067	A	20020510	200306 B
AU 2002255143	A1	20021118	AU 2002255143	A	20020510	200452

Priority Applications (No Type Date): GB 200111337 A 20010510

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200289882 A1 E 22 A61M-015/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

AU 2002255143 A1 A61M-015/00 Based on patent WO 200289882

... **delivery device useful for treating respiratory disorders comprises a medicament reservoir, metering member and a delivery channel**

Abstract (Basic):

... medicament delivery device (I) comprises a medicament reservoir (A), a metering member (B) and a **delivery channel** (C). (I) Is **provided** with an indicator device for gauging the capacity of (A).

Technology Focus:

... adapted to be moved from a first position to a second position each time (B) **dispenses** a dosage of the **medicament** . The indicator **device** also indicates the dosage removed and/or the remaining capacity of (A). The indicator is...

...or indirectly with the indicator, and is adapted to disengage from the indicator after the **medicament** has been **dispensed** . The size of the engaging **device** can vary depending on the capacity of the metering

cup. The engaging device of (B...

...device of (B) comprises a toothed member and that of the indicator comprises a toothed wheel. (B) comprises at least one tooth adapted to engage the cog. The number of teeth...

10/3,K/5 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014085975 **Image available**

WPI Acc No: 2001-570189/200164

Related WPI Acc No: 2005-615134

XRAM Acc No: C01-169427

XRPX Acc No: N01-424927

Device for delivering oral drugs comprises housing comprising multiple doses of multiparticulates including drug particles and an actuator

Patent Assignee: VECTURA LTD (VECT-N); STANIFORTH J (STAN-I); TOBYN M (TOBY-I)

Inventor: STANIFORTH J; TOBYN M; STANIFORTH J N; TOBYN M J

Number of Countries: 095 Number of Patents: 012

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20010020147	A1	20010906	US 2001793304	A	20010226	200164 B
WO 200164182	A2	20010907	WO 2001IB251	A	20010226	200164
AU 200134005	A	20010912	AU 200134005	A	20010226	200204
BR 200108730	A	20021105	BR 20018730	A	20010226	200279
			WO 2001IB251	A	20010226	
EP 1261316	A2	20021204	EP 2001906043	A	20010226	200280
			WO 2001IB251	A	20010226	
NO 200204072	A	20021025	WO 2001IB251	A	20010226	200301
			NO 20024072	A	20020827	
JP 2003525081	W	20030826	JP 2001563080	A	20010226	200357
			WO 2001IB251	A	20010226	
CN 1429100	A	20030709	CN 2001808759	A	20010226	200363
HU 200300491	A1	20030728	WO 2001IB251	A	20010226	200379
			HU 2003491	A	20010226	
ZA 200206850	A	20031126	ZA 20026850	A	20020827	200402
NZ 521034	A	20040827	NZ 521034	A	20010226	200460
			WO 2001IB251	A	20010226	
MX 2002008403	A1	20041101	WO 2001IB251	A	20010226	200558
			MX 20028403	A	20020828	

Priority Applications (No Type Date): GB 20009023 A 20000412; GB 20004701 A 20000228

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

US 20010020147 A1 40 A61M-013/00

WO 200164182 A2 E A61K-009/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200134005 A A61K-009/00 Based on patent WO 200164182

BR 200108730 A A61K-009/00 Based on patent WO 200164182

EP 1261316 A2 E A61K-009/00 Based on patent WO 200164182

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
 LI LT LU LV MC MK NL PT RO SE SI TR

NO 200204072	A	A61K-000/00	
JP 2003525081	W	88 A61J-007/02	Based on patent WO 200164182
CN 1429100	A	A61K-009/00	
HU 200300491	A1	A61K-009/00	Based on patent WO 200164182
ZA 200206850	A	92 A61K-000/00	
NZ 521034	A	A61K-009/00	Based on patent WO 200164182
MX 2002008403	A1	A61K-009/00	Based on patent WO 200164182

Abstract (Basic):

... a drug in the multiparticulate form into the oral cavity of a patient, comprising an **outlet** for **delivering** the multiparticulates and an inlet for receiving the multiparticulates. (A) protrudes downward from the device...

... **delivery conduit** (7...

... **delivery outlet** (8

Technology Focus:

... Preferred System: The device comprises **drum**, a reservoir with several external cavities and multiparticulates, a **rotatable member** outside the reservoir, a stationary retaining housing immediately covering the **rotating member** outside the reservoir, a movable plate having a filling hole disposed in it, a mouthpiece...

...The **drum** has an inner cavity disposed in it for containing the multiparticulates, an outer lining, a...

...the second position upon actuation and the unit dose is expelled from the device. The **rotatable member** has an external cavity in communication with the exit hole when the member is in...

...that the unit dose is delivered from the reservoir to the dispensing hole when the **rotatable member** is moved from its first position to the second position upon actuation and the unit...

...The retaining housing has a dispensing hole disposed in it. The **rotatable member** is in such a position that one external cavity is in communication with the exit...

...The **rotatable member** is rotatable to advance each cavity to the exact position of the next adjacent cavity...

...the filling hole is in communication with the exit hole of the reservoir and with **dispensing** hole respectively and the unit **dose** is **dispensed** from the **device**. When the movable plate is rectangular/circular, it slidably/rotatably moves upon actuation from the...in shape having side walls which extend outward from the inlet at opposite angles to **provide** an **outlet** having a larger area than the inlet area where the multiparticles enter (A). The outlet...

10/3,K/6 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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009674892

WPI Acc No: 1993-368445/199346

XRAM Acc No: C93-163489

XRPX Acc No: N93-284435

Inhalator device with dosage indicator - dispenses pharmacologically active substance in metered amts. with means of indicating number of remaining doses

Patent Assignee: ASTRA AB (ASTR); ASTRA PUBL AB (ASTR); ASTRAZENECA AB (ASTR)

Inventor: TROFAST E A; VIRTANEN R; WETTERLIN K I L; WETTERLIN L K I;

WETTERLIN K I; VIRTANEN R K V

Number of Countries: 045 Number of Patents: 019

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9321980	A1	19931111	WO 93SE389	A	19930504	199346	B
AU 9340310	A	19931129	AU 9340310	A	19930504	199411	
NO 9404059	A	19941025	WO 93SE389	A	19930504	199504	
			NO 944059	A	19941025		
FI 9405208	A	19941104	WO 93SE389	A	19930504	199506	
			FI 945208	A	19941104		
CZ 9402689	A3	19950215	CZ 942689	A	19930504	199515	
SK 9401328	A3	19950607	WO 93SE389	A	19930504	199532	
			SK 941328	A	19930504		
JP 7506031	W	19950706	JP 93519191	A	19930504	199535	
			WO 93SE389	A	19930504		
HU 70124	T	19950928	WO 93SE389	A	19930504	199546	
			HU 943180	A	19930504		
EP 682539	A1	19951122	EP 93909561	A	19930504	199551	
			WO 93SE389	A	19930504		
NZ 251915	A	19960227	NZ 251915	A	19930504	199614	
AU 669708	B	19960620	AU 9340310	A	19930504	199632	
US 5549101	A	19960827	WO 93SE389	A	19930504	199640	
			US 94331589	A	19941114		
BR 9306323	A	19980630	BR 936323	A	19930504	199833	
			WO 93SE389	A	19930504		
SG 52375	A1	19980928	SG 963664	A	19930504	199903	
EP 682539	B1	19990721	EP 93909561	A	19930504	199933	
			WO 93SE389	A	19930504		
DE 69325722	E	19990826	DE 625722	A	19930504	199940	
			EP 93909561	A	19930504		
			WO 93SE389	A	19930504		
ES 2134845	T3	19991016	EP 93909561	A	19930504	199950	
KR 298497	B	20011022	WO 93SE389	A	19930504	200236	
			KR 94703941	A	19941104		
CA 2134562	C	20030408	CA 2134562	A	19930504	200329	
			WO 93SE389	A	19930504		

Priority Applications (No Type Date): SE 921411 A 19920505

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9321980 A1 E 23 A61M-015/00

Designated States (National): AT AU BB BG BR CA CH CZ DE DK ES FI GB HU
JP KP KR KZ LK LU MG MN MW NL NO NZ PL PT RO RU SD SE SK UA US VN

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL
OA PT SE

AU 9340310 A A61M-015/00 Based on patent WO 9321980

NO 9404059 A A61M-015/00

FI 9405208 A A61M-000/00

CZ 9402689 A3 A61M-015/00

SK 9401328 A3 A61M-015/00

JP 7506031 W 7 A61M-013/00 Based on patent WO 9321980

HU 70124 T A61M-015/00 Based on patent WO 9321980

EP 682539 A1 E A61M-015/00 Based on patent WO 9321980
 Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LI LU MC
 NL PT SE
 NZ 251915 A A61M-015/00
 AU 669708 B A61M-015/00 Previous Publ. patent AU 9340310
 Based on patent WO 9321980
 US 5549101 A 7 A61M-015/00 Based on patent WO 9321980
 BR 9306323 A A61M-015/00 Based on patent WO 9321980
 SG 52375 A1 A61M-015/00
 EP 682539 B1 E A61M-015/00 Based on patent WO 9321980
 Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LI LU MC
 NL PT SE
 DE 69325722 E A61M-015/00 Based on patent EP 682539
 Based on patent WO 9321980
 ES 2134845 T3 A61M-015/00 Based on patent EP 682539
 KR 298497 B A61M-015/00 Based on patent WO 9321980
 CA 2134562 C E A61M-015/00 Based on patent WO 9321980

...Abstract (Basic): a rotatable disc (5) containing conical holes (6). The disc is rotated by a ratchet **wheel** (8) and pawl (9) mechanism operated by a rotatable manoeuvring **wheel** (10) at the bottom of the housing (1). An indicating device operated by the rotatable **wheel** (5) indicates the number of doses remaining, and locks the manoeuvring **wheel** (10) when the storage chamber (4) is exhausted...

...USE/ADVANTAGE - For **dispensing** to a patient a **pharmacologically** active compound. A simple, cheap to manufacture **device** which can be set to automatically **dispense** the actual number of doses loaded into the chamber, and which gives visual indication of...

...Abstract (Equivalent): means to said conduit inlet, said carrying means being mounted for intermittent movement between said **conduit** inlet and said storage means to **deliver** one of said **portions** to said **conduit** whereby said unit dose of said active compound located at said **portion** can be dispensed through the **conduit**,

10/3,K/7 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2006 The Thomson Corp. All rts. reserv.

008755590 **Image available**

WPI Acc No: 1991-259607/199135

XRPX Acc No: N91-197969

Medication apparatus for removing blisters - includes card on which units are secured in pockets formed in flexible sheet material

Patent Assignee: ALBETSKI D N (ALBE-I)

Inventor: ALBETSKI D N

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5038968	A	19910813	US 90607919	A	19901101	199135 B

Priority Applications (No Type Date): US 90607919 A 19901101

...Abstract (Basic): The **apparatus** for removing **medication** units from a card **dispenser** comprises a card on which **medication** units are secured in pockets formed in a flexible sheet material disposed in the card...

...The base member has a body **portion** with a series of elongated **channels** in its upper surface defined by parallel extending ribs. A **roller** with a handle is rotatably rolled along the upper surface of the card dispenser while...

?

12/3,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2006 The Thomson Corp. All rts. reserv.

010042064
WPI Acc No: 1994-309775/199438
XRAM Acc No: C94-140985
XRPX Acc No: N94-243549

Appts. for dispensing drugs - incorporates thrusters which rotate star wheels to discharge drugs from selected containers

Patent Assignee: GALICH S I (GALI-I)
Inventor: GALICH S I; PINCHUK G I; VEGERA YU A
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
SU 1816279	A3	19930515	SU 4870614	A	19900704	199438 B

Priority Applications (No Type Date): SU 4870614 A 19900704

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
SU 1816279	A3	4	B65D-083/04	

... incorporates thrusters which rotate star wheels to discharge drugs from selected containers

...Abstract (Basic): which drugs are discharged through the aperture (2) into a chute by two rotating star wheels (4) mounted on the axles (5). The star wheels are rotated by the downward movement of the thrusters (14), which causes the radial pin on the end of the thruster to slide along a spiral groove in the socket...

...which interacts with the armature (19) fixed to the thruster. The rotation of the star wheels is controlled by an electronic circuit, which selects the required container by an encoding system...

... **APPARATUS** - The containers of drugs are closed by a cover, which remains in place while the drugs are dispensed .

...Title Terms: WHEEL ;

12/3,K/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2006 The Thomson Corp. All rts. reserv.

007438738 **Image available**
WPI Acc No: 1988-072673/198811
XRPX Acc No: N88-055071

Tablet dispenser with container for slidable magazine - has slider protrusion guided in magazine slot with hammer head and support at magazine bottom

Patent Assignee: PATRAFICO AG (PATR-N); CENTROMINT CO ESTAB (CNTR);
HAHRMITTELFAB HAAS (HAAS-N); HAAS E NAHRMITTEL G (HAAS-N)

Inventor: HINTERREITER I
Number of Countries: 016 Number of Patents: 008
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 260250	A	19880316	EP 87890197	A	19870826	198811 B
AT 8602346	A	19880815				198836

US 4966305 A 19901030 US 88240598 A 19880906 199046 N
 HU 55309 T 19910528 199127 N
 EP 260250 B 19911016 199142
 DE 3773817 G 19911121 199148
 ES 2025214 B 19920316 199216
 CA 1327033 C 19940215 CA 576948 A 19880912 199412 N
 Priority Applications (No Type Date): AT 862346 A 19860829; CA 576948 A
 19880912; US 88240598 A 19880906

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 260250	A	G	9		
Designated States (Regional): BE CH DE ES FR GB GR IT LI LU NL SE					
EP 260250	B				
Designated States (Regional): BE CH DE ES FR GB GR IT LI LU NL SE					
CA 1327033	C			B65D-083/04	

...Abstract (Basic): upper groove ends. The first projection has a hammer head section, whilst an integral inward **pin** (43) near the bottom of the magazine engages between two spring turns to locate the...

...Abstract (Equivalent): **Tablet dispensing device** (1) comprising a sleeve (17) and a magazine (18) for receiving a stack of tablets...

...of the magazine and a bowl-shaped slider (21) acting as a spring plate, said **roller** being displaceably guided in said magazine and in said sleeve, whereby said slider is secured...

...22) of the magazine (18) is provided with a hammer head (40) and that a **pin** stop (43), preferably in the vicinity of the floor of the magazine (18), is arranged on said hammer head, said **pin** stop (43) engaging between two windings of the spring (20). (10pp)

12/3,K/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2006 The Thomson Corp. All rts. reserv.

003107655

WPI Acc No: 1981-L7703D/198146

Electronically controlled personal medication dispensing device - uses latch responsive to timer to permit medication to become available only in prescribed quantity at desired time

Patent Assignee: PECKER E A (PECK-I)

Inventor: PECKER E A

Number of Countries: 004 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 39004	A	19811104				198146 B

Priority Applications (No Type Date): US 80144692 A 19800428

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 39004	A	E	22		
Designated States (Regional): DE FR GB IT					

Electronically controlled personal medication dispensing device -

...Abstract (Basic): passage of the product such as pills or capsules of medication. A circular disc shaped **transport member** locates in the slot of the base. Its forward projection enables rotation of the

transport member to be effected by the thumb. Off-centre in the **transport member** is a hole of a size to contain only one of the items being dispensed...

...outlet, and be accessed by the patient. Electronic timing circuitry is associated with the latch **pin** by which means rotation of the **transport member** can only take place at the prescribed frequency and time thus effecting safe controlled usage...

?

15/3,K/1 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2006 The Thomson Corp. All rts. reserv.

015572431 **Image available**

WPI Acc No: 2003-634588/200360

XRPX Acc No: N03-504641

Wheeled particulate medicine dispensing apparatus for dispensing measured quantities of particulate medicine to livestock feed area

Patent Assignee: PRATTE B D (PRAT-I); TEACHEY J F (TEAC-I)

Inventor: PRATTE B D; TEACHEY J F

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6606966	B1	20030819	US 200282908	A	20020226	200360 B

Priority Applications (No Type Date): US 200282908 A 20020226

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6606966	B1	8	A01K-005/00	

Wheeled particulate medicine dispensing apparatus for dispensing measured quantities of particulate medicine to livestock feed area

Abstract (Basic):

... a desired medication dosage. An inlet is provided between the chamber and the lower discharge opening of a medication hopper (12). A discharge conduit (16) extends downwards from the discharge opening of the valve such that the outlet end of the conduit is positioned adjacent to a feed area.

... The figure shows the side view of wheeled particulate medicine dispensing apparatus .

Title Terms: WHEEL ;

15/3,K/2 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2006 The Thomson Corp. All rts. reserv.

015395182 **Image available**

WPI Acc No: 2003-457323/200343

XRAM Acc No: C03-121702

XRPX Acc No: N03-363707

Medicament dispenser for use with medicament carrier having pockets for containing medicament, an internal mechanism for accessing medicament and comprising index ratchet and compensating mechanism

Patent Assignee: GLAXO GROUP LTD (GLAX); CROSBY G T (CROS-I); PALMER M G (PALM-I)

Inventor: CROSBY G T; PALMER M G

Number of Countries: 102 Number of Patents: 010

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200335509	A1	20030501	WO 2002EP11315	A	20021009	200343 B
EP 1436217	A1	20040714	EP 2002785182	A	20021009	200446
			WO 2002EP11315	A	20021009	
AU 2002350512	A1	20030506	AU 2002350512	A	20021009	200460
BR 200213047	A	20041005	BR 200213047	A	20021009	200475

			WO 2002EP11315	A	20021009	
US 20050017017	A1	20050127	WO 2002EP11315	A	20021009	200509
			US 2004492458	A	20040414	
JP 2005506164	W	20050303	WO 2002EP11315	A	20021009	200517
			JP 2003538032	A	20021009	
CN 1571751	A	20050126	CN 2002820648	A	20021009	200530
MX 2004003253	A1	20040801	WO 2002EP11315	A	20021009	200548
			MX 20043253	A	20040406	
ZA 200402840	A	20050629	ZA 20042840	A	20040415	200552
IN 200400349	P2	20060407	WO 2002EP11315	A	20021009	200634
			IN 2004KN349	A	20040315	

Priority Applications (No Type Date): GB 200125132 A 20011019

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 200335509	A1	E	56	B65D-083/04	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW

EP 1436217	A1	E	B65D-083/04	Based on patent WO 200335509
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Designated States (Regional): AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR

AU 2002350512	A1	B65D-083/04	Based on patent WO 200335509
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BR 200213047	A	B65D-083/04	Based on patent WO 200335509
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US 20050017017	A1	G07F-011/66	
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JP 2005506164	W	84 A61J-007/00	Based on patent WO 200335509
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CN 1571751	A	B65D-083/04	
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MX 2004003253	A1	A61M-015/00	Based on patent WO 200335509
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ZA 200402840	A	62 B65D-000/00	
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IN 200400349	P2	E B65D-083/04	
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Abstract (Basic):

... medicament carrier for containing medicament, has internal dispensing mechanism for accessing medicament and comprising an **opening** station, peeling mechanism, **outlet**, and index ratchet for Indexing pockets of medicament carrier. The internal mechanism further comprises compensating...

... has been received at the opening station. The lid driving mechanism comprises a fixed-diameter **wheel** on which the lid sheet is wound, the **wheel** having an effective winding surface, the diameter of which increases as more lid sheet is wound about the **wheel** ;
(...

...3) **outlet** in communication with an **opened** pocket through which a user can remove medicament from the opened pocket; and...

...The **medicament dispenser** is refillable by insertion of a replacement cassette containing a **medicament** carrier. The cassette may be replaced when the **medicament** carrier is empty. The **medicament dispenser** is environmentally friendly as the majority of the **device** may be retained and is not disposable. It can be fitted with additional features such

Technology Focus:

... is resilient in nature or tensioned and is positioned between the opening station and the **wheel**. It comprises a flexible elongate

arm between the opening station and the **wheel** and about which the lid sheet is feedable. It additionally comprises a spring or a sprung-loaded tensioner between the opening station and the **wheel** . It further comprises a piston head mounted on one end of the spring, about which the lid sheet is feedable, and is positioned at the **wheel** and may further comprise a torsion spring or constant torque device at the **wheel** .

...

...second chamber to receive the base sheet after it has been indexed around the index **wheel** and separated from the lid sheet.

15/3,K/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2006 The Thomson Corp. All rts. reserv.

015395181 **Image available**

WPI Acc No: 2003-457322/200343

XRAM Acc No: C03-121701

XRPX Acc No: N03-363706

Medicament dispenser for use with medicament carrier, with pockets for containing medicament, has internal mechanism for accessing medicament and comprising index ratchet for indexing pockets of medicament carrier

Patent Assignee: GLAXO GROUP LTD (GLAX); HARVEY S J (HARV-I)

Inventor: HARVEY S J

Number of Countries: 102 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200335508	A1	20030501	WO 2002EP11312	A	20021009	200343 B
EP 1436216	A1	20040714	EP 2002782870	A	20021009	200446
			WO 2002EP11312	A	20021009	
AU 2002346985	A1	20030506	AU 2002346985	A	20021009	200460
US 20050005934	A1	20050113	WO 2002EP11312	A	20021009	200506
			US 2004492456	A	20040414	
JP 2005506163	W	20050303	WO 2002EP11312	A	20021009	200517
			JP 2003538031	A	20021009	

Priority Applications (No Type Date): GB 200125135 A 20011019

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200335508 A1 E 61 B65D-083/04

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW

EP 1436216 A1 E B65D-083/04 Based on patent WO 200335508

Designated States (Regional): AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR

AU 2002346985 A1 B65D-083/04 Based on patent WO 200335508

US 20050005934 A1 A61M-015/00

JP 2005506163 W 92 A61J-007/02 Based on patent WO 200335508

Abstract (Basic):

... containing medicament, and an internal mechanism for accessing the medicament. The internal mechanism comprises an **opening** station, peeling mechanism, **outlet** , and index ratchet movable between locked

and **release** positions for indexing in communication with the **outlet**, pockets of medicament carrier.

... 3) **outlet** in communication with an **opened** pocket through which a user can remove medicament from the opened pocket; and...

...The **medicament dispenser** is refillable by insertion of a replacement cassette containing a **medicament** carrier. The cassette may be replaced when the **medicament** carrier is empty. The **medicament dispenser** is environmentally friendly as the majority of the **device** may be retained and is not disposable. It can be fitted with additional features such...

Technology Focus:

... engagement with the blister pocket of the medicament carrier. The lid driving mechanism comprises a **roller**. The index ratchet and/or the lid driving mechanism are operated by an electronic drive...

...Preferred Materials: The **roller** is composed of a polymeric rubber.

15/3,K/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2006 The Thomson Corp. All rts. reserv.

014118605 **Image available**

WPI Acc No: 2001-602817/200168

XRAM Acc No: C01-178630

XRPX Acc No: N01-449796

Automatic one-way clutch for incrementing mechanism in medical injector device, comprises clutch component, pressure component, spring, and inter-engageable teeth

Patent Assignee: SAMS B (SAMS-I)

Inventor: SAMS B

Number of Countries: 096 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200172361	A1	20011004	WO 2001GB1271	A	20010322	200168	B
AU 200142567	A	20011008	AU 200142567	A	20010322	200208	
EP 1267964	A1	20030102	EP 2001915475	A	20010322	200310	
			WO 2001GB1271	A	20010322		
US 20030050609	A1	20030313	WO 2001GB1271	A	20010322	200321	
			US 2002239068	A	20020918		
US 6899698	B2	20050531	WO 2001GB1271	A	20010322	200536	
			US 2002239068	A	20020918		
EP 1267964	B1	20050824	EP 2001915475	A	20010322	200556	
			WO 2001GB1271	A	20010322		
DE 60112905	E	20050929	DE 112905	A	20010322	200564	
			EP 2001915475	A	20010322		
			WO 2001GB1271	A	20010322		

Priority Applications (No Type Date): GB 20007071 A 20000324

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200172361 A1 E 32 A61M-005/315

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR

IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW
 AU 200142567 A A61M-005/315 Based on patent WO 200172361
 EP 1267964 A1 E A61M-005/315 Based on patent WO 200172361
 Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
 LI LT LU LV MC MK NL PT RO SE SI TR
 US 20030050609 A1 A61M-005/00
 US 6899698 B2 A61M-005/00 Based on patent WO 200172361
 EP 1267964 B1 E A61M-005/315 Based on patent WO 200172361
 Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI
 LU MC NL PT SE TR
 DE 60112905 E A61M-005/315 Based on patent EP 1267964
 Based on patent WO 200172361

Abstract (Basic):

... the incrementing mechanism surrounds the elongate component. A blocking clutch component (22) is in the **channel** and engageable with the conical surface. A **release** mechanism is adapted to disengage the clutch by lifting the clutch component out of engagement...

...B) an injector **device** incorporating an incrementing mechanism to effect **dispensing** a **dose** of **medicament** by inter-action between the elongate component and the piston of a **medicament dispensing** syringe or cartridge...

...For incrementing mechanism for use in injector **device** for **dispensing** a **dose** of **medicament** .

Technology Focus:

... between the conical surface and the elongate component. The clutch component comprises a ball, a **roller** , or a wedge.

?

? show files; ds; save temp; logoff hold
 File 348:EUROPEAN PATENTS 1978-2006/ 200625
 (c) 2006 European Patent Office
 File 349:PCT FULLTEXT 1979-2006/UB=20060622,UT=20060615
 (c) 2006 WIPO/Univentio

Set	Items	Description
S1	4242	(CAPSULE? ? OR DOSE OR DRUG OR MEDICAMENT OR MEDICATION? ? OR TABLET? ? OR PHARMAC? OR PHARMACEUT? OR DRUG? ? OR MEDICINE? ?) (7N) (DISPENS? OR VENDING) (7N) (MACHINE? ? OR APPARATUS - OR DEVICE? ?)
S2	385917	WHEEL? ? OR ROLLER? ? OR (ROTAT? OR REVOLV? OR ROTARY OR SPIN? ? OR SPINN??? OR CIRCUMROTAT??? OR TRANSPORT) () (ELEMENT? ? OR MEMBER? ? OR ORGAN? ?) OR ROTOR? ? OR ROTAT?R? ? OR DRUM? ?
S3	372074	(CHANNEL? ? OR PATH? ? OR TROUGH? ? OR PASSAGE? ? OR OUTLET? ? OR CONDUIT? ? OR SLOPE? ? OR SLOPING OR TRENCH?? OR FURROW? ?) (7N) (SUPPL??? OR DELIVER??? OR PROVID??? OR ALLOCAT? OR ASSIGN? OR PORTION? OR SHAR?)
S4	280967	SPRING(5N)PUSH(5N)PIN? ? OR PUSH(5N)PIN? ? OR PIN? ?
S5	13121	(CAM? ? OR CAMSHAFT? ? OR CAM()SHAFT? ? OR CAM()LOBE? ?) (7N) (TRIGGER? OR INITIALI? OR ACTIVATE? OR ACTUAT?)
S6	139078	(UNLOCK??? OR OPEN??? OR UNLATCH?? OR UNSEAL??? OR RELEASE?? OR UNFASTEN??? OR UNCLOS???) (7N) (CHANNEL? ? OR PATH? ? OR TROUGH? ? OR PASSAGE? ? OR OUTLET? ? OR CONDUIT? ? OR SLOPE? ? OR SLOPING OR TRENCH?? OR FURROW? ?)
S7	105854	(CLOS??? OR SEALED OR LOCKED OR SHUT OR SECURED OR FASTENED) (7N) (CHANNEL? ? OR PATH? ? OR TROUGH? ? OR PASSAGE? ? OR OUTLET? ? OR CONDUIT? ? OR SLOPE? ? OR SLOPING OR TRENCH?? OR FURROW? ?)
S8	0	AU=(VASIADIS, V? OR VASIADIS V?)
S9	78	S1(7N)S2
S10	5	S9(7N)S3
S11	0	S9(7N)S4
S12	0	S9(7N)S5
S13	1	S9(7N)S6
S14	1	S9(7N)S7
S15	0	S14 NOT (S10 OR S13)
S16	69	S1(5N)S3
S17	0	S16(7N)S4
S18	0	S16(7N)S5
S19	37	S16 NOT PY>2002
S20	37	IDPAT (sorted in duplicate/non-duplicate order)
S21	35	IDPAT (primary/non-duplicate records only)

10/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01927473

Nasal delivery device

Nasales Verabreichungsgerat

Dispositif d'administration nasale

PATENT ASSIGNEE:

Optinose AS, (3240550), Løkkaskogen 18c, 0773 Oslo, (NO), (Applicant
designated States: all)

INVENTOR:

Djupestrand, Per Gisle, Dr., Løkkaskogen 18c, 0773 Oslo, (NO)

LEGAL REPRESENTATIVE:

Boden, Keith McMurray et al (83223), Fry Heath & Spence LLP The Gables
Massetts Road, Horley Surrey RH6 7DQ, (GB)

PATENT (CC, No, Kind, Date): EP 1555038 A2 050720 (Basic)

EP 1555038 A3 060510

APPLICATION (CC, No, Date): EP 2004030887 000303;

PRIORITY (CC, No, Date): GB 9904906 990303; GB 9911686 990519

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

RELATED PARENT NUMBER(S) - PN (AN):

EP 1161274 (EP 2000906570)

INTERNATIONAL PATENT CLASS (V7): A61M-015/08

INTERNATIONAL CLASSIFICATION (V8 + ATTRIBUTES):

IPC + Level Value Position Status Version Action Source Office:

A61M-0015/08 A I F B 20060101 20050504 H EP

ABSTRACT WORD COUNT: 75

NOTE:

Figure number on first page: 2

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200529	1215
SPEC A	(English)	200529	9826
Total word count - document A			11043
Total word count - document B			0
Total word count - documents A + B			11043

...CLAIMS delivery device of any of claims 13 to 15, wherein the movable
member is a **rotatable member**.

17. The delivery **device** of any of claims 13 to 16, further comprising:
a **dispensing** unit for **dispensing** a **dose** of a substance into the
delivery channel.

18. The **delivery device** of claim 1, wherein the **delivery** unit
comprises a mouthpiece and a **channel** fluidly connecting the
mouthpiece to the nosepiece, the channel being configured to receive
a substance...

10/3,K/2 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2006 European Patent Office. All rts. reserv.

01394367

Nasal delivery device

Nasales Verabreichungsgerät

Dispositif d'administration nasale

PATENT ASSIGNEE:

Optinose AS, (3240550), Løkkaskogen 18c, 0773 Oslo, (NO), (Applicant designated States: all)

INVENTOR:

Djupestrand, Per Gisle, Løkkaskogen 18c, 0773 Oslo, (NO)

LEGAL REPRESENTATIVE:

Boden, Keith McMurray et al (83223), Fry Heath & Spence The Old College
53 High Street, Horley Surrey RH6 7BN, (GB)

PATENT (CC, No, Kind, Date): EP 1180378 A2 020220 (Basic)
EP 1180378 A3 020227

APPLICATION (CC, No, Date): EP 2001124194 000303;

PRIORITY (CC, No, Date): GB 9904906 990303; GB 9911686 990519

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

RELATED PARENT NUMBER(S) - PN (AN):

EP 1161274 (EP 2000906570)

INTERNATIONAL PATENT CLASS (V7): A61M-015/00; A61M-015/08; A61M-011/02;
A61M-016/00; A61M-011/06

ABSTRACT WORD COUNT: 90

NOTE:

Figure number on first page: 2

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200208	651
SPEC A	(English)	200208	9507
Total word count - document A			10158
Total word count - document B			0
Total word count - documents A + B			10158

...CLAIMS delivery device of any of claims 8 to 10, wherein the movable member is a **rotatable member**.

12. The delivery **device** of any of claims 8 to 11, further comprising:
a **dispensing unit** for **dispensing a dose** of a substance into the **delivery channel**.

13. The **delivery device** of claim 1, wherein the **delivery unit** comprises a mouthpiece and a **channel** connecting the mouthpiece to the nosepiece, the channel being configured to receive a substance to
...

10/3,K/3 (Item 3 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01206511

NASAL DELIVERY DEVICE

NASALES VERABREICHUNGSGERAT

DISPOSITIF D'ADMINISTRATION NASALE

PATENT ASSIGNEE:

Optinose AS, (3240550), Løkkaskogen 18c, 0773 Oslo, (NO), (Proprietor designated states: all)

INVENTOR:

DJUPESLAND, Per, Gisle, Lökkaskogen 18c, N-0387 Oslo, (NO)
 LEGAL REPRESENTATIVE:
 Boden, Keith McMurray (83223), Fry Heath & Spence LLP The Gables Massetts
 Road, Horley Surrey RH6 7DQ, (GB)
 PATENT (CC, No, Kind, Date): EP 1161274 A1 011212 (Basic)
 EP 1161274 B1 041229
 WO 2000051672 000908
 APPLICATION (CC, No, Date): EP 2000906570 000303; WO 2000IB273 000303
 PRIORITY (CC, No, Date): GB 9904906 990303; GB 9911686 990519
 DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
 LU; MC; NL; PT; SE
 EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
 RELATED DIVISIONAL NUMBER(S) - PN (AN):
 EP 1180378 (EP 2001124194)
 (EP 2004030887)
 INTERNATIONAL PATENT CLASS (V7): A61M-015/00; A61M-015/08; A61M-011/02;
 A61M-016/00; A61M-011/06

NOTE:

No A-document published by EPO
 LANGUAGE (Publication,Procedural,Application): English; English; English
 FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200453	886
CLAIMS B	(German)	200453	843
CLAIMS B	(French)	200453	976
SPEC B	(English)	200453	9721
Total word count - document A			0
Total word count - document B			12426
Total word count - documents A + B			12426

...CLAIMS device of any of claims 9 to 11, wherein the movable member (78)
 is a **rotatable member**.

13. The delivery **device** of any of claims 9 to 12, further comprising:
 a **dispensing** unit (86) for **dispensing** a **dose** of a substance into
 the **delivery channel** (80).

14. The **delivery device** of claim 1, wherein the delivery unit
 comprises a mouthpiece (56; 98; 114) and a...

10/3,K/4 (Item 1 from file: 349)
 DIALOG(R)File 349:PCT FULLTEXT
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01241493

MEDICAL IMPLANTS AND FIBROSIS-INDUCING AGENTS
IMPLANTS MEDICAUX ET AGENTS INDUCTEURS DE FIBROSE

Patent Applicant/Assignee:

ANGIOTECH INTERNATIONAL AG, Bundesplatz 1, CH-6304 Zug, CH, CH
 (Residence), CH (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

HUNTER William L, 1618 Station Street, Vancouver, British Columbia V6A
 1B6, CA, CA (Residence), CA (Nationality), (Designated only for: US)
 GRAVETT David M, 616 West 21st Avenue, Vancouver, British Columbia V5Z
 1Y8, CA, CA (Residence), CA (Nationality), (Designated only for: US)
 TOLEIKIS Philip M, 8011 Laburnum Street, Vancouver, British Columbia V6P
 5N8, CA, CA (Residence), US (Nationality), (Designated only for: US)
 MAITI Arpita, #211 - 2920 Ash Street, Vancouver, British Columbia V5Z 4A6
 , CA, CA (Residence), CA (Nationality), (Designated only for: US)
 SIGNORE Pierre E, #207 - 2155 West 7th Avenue, Vancouver, British

13/3,K/1 (Item 1 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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00819885

Medication filling apparatus

Abfullgerat fur Medikamente

Appareil de remplissage pour medicaments

PATENT ASSIGNEE:

SANYO ELECTRIC CO., LTD., (238923), 2-5-5, Keihan-Hondori, Moriguchi-shi,
Osaka, (JP), (Proprietor designated states: all)

INVENTOR:

Ito, Kenichi, 6-428 Izumi-ryo, 57-1, Sumiyoshi, Oizumi-machi, Ora-gun,
Gunma-ken, (JP)

Nijima, Toshiyuki, 1603 Central Road No.333, Arinton Height, Illinois
60005, (US)

LEGAL REPRESENTATIVE:

Woodward, John Calvin et al (37981), Venner Shipley & Co. 20 Little
Britain, London EC1A 7DH, (GB)

PATENT (CC, No, Kind, Date): EP 761197 A1 970312 (Basic)

EP 761197 B1 010725

APPLICATION (CC, No, Date): EP 96306377 960903;

PRIORITY (CC, No, Date): JP 95251910 950905

DESIGNATED STATES: DE; FR; GB; NL; SE

INTERNATIONAL PATENT CLASS (V7): A61J-007/00

ABSTRACT WORD COUNT: 160

NOTE:

Figure number on first page: 9

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB97	841
CLAIMS B	(English)	200130	517
CLAIMS B	(German)	200130	519
CLAIMS B	(French)	200130	616
SPEC A	(English)	EPAB97	9119
SPEC B	(English)	200130	7401
Total word count - document A			9963
Total word count - document B			9053
Total word count - documents A + B			19016

...SPECIFICATION then the medications, which are generally extremely lightweight, stick to the inner surface of the **tablet** case or the **dispensing drum**. As a result, the **medications** do not fall even when the **dispensing drum** rotates.

Moreover, the conventional **apparatus** is designed so that the aforesaid **outlet** of the **medications** is always **open** and therefore the **medications** are sometimes over-**dispensed** due to the inertia force of the **dispensing drum**. The chance of such over-dispensing increases greatly especially when the rotational speed of the...

...SPECIFICATION then the medications, which are generally extremely lightweight, stick to the inner surface of the **tablet** case or the **dispensing drum**. As a result, the **medications** do not fall even when the **dispensing drum** rotates.

Moreover, the conventional **apparatus** is designed so that the aforesaid **outlet** of the **medications** is always **open** and therefore

21/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01394367

Nasal delivery device

Nasales Verabreichungsgerat

Dispositif d'administration nasale

PATENT ASSIGNEE:

Optinose AS, (3240550), Løkkaskogen 18c, 0773 Oslo, (NO), (Applicant
designated States: all)

INVENTOR:

Djupestrand, Per Gisle, Løkkaskogen 18c, 0773 Oslo, (NO)

LEGAL REPRESENTATIVE:

Boden, Keith McMurray et al (83223), Fry Heath & Spence The Old College
53 High Street, Horley Surrey RH6 7BN, (GB)

PATENT (CC, No, Kind, Date): EP 1180378 A2 020220 (Basic)

EP 1180378 A3 020227

APPLICATION (CC, No, Date): EP 2001124194 000303;

PRIORITY (CC, No, Date): GB 9904906 990303; GB 9911686 990519

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

RELATED PARENT NUMBER(S) - PN (AN):

EP 1161274 (EP 2000906570)

INTERNATIONAL PATENT CLASS (V7): A61M-015/00; A61M-015/08; A61M-011/02;

A61M-016/00; A61M-011/06

ABSTRACT WORD COUNT: 90

NOTE:

Figure number on first page: 2

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200208	651
SPEC A	(English)	200208	9507
Total word count - document A			10158
Total word count - document B			0
Total word count - documents A + B			10158

...CLAIMS claims 8 to 10, wherein the movable member is a rotatable member.

12. The delivery device of any of claims 8 to 11, further comprising:
a dispensing unit for dispensing a dose of a substance into the
delivery channel .

13. The delivery device of claim 1, wherein the delivery unit
comprises a mouthpiece and a channel connecting the mouthpiece to
the nosepiece, the channel being configured to receive a substance to
...

21/3,K/2 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01011093

Drug delivery catheter with tip alignment

KATHETER ZUM EINFÜHREN VON ARZNEIMITTELN MIT SPITZENAUSRICHTUNG

Catheter d'apport de medicament a alignement de la pointe

PATENT ASSIGNEE:

ECLIPSE SURGICAL TECHNOLOGIES, Inc., (1258482), 1049 Kiel Court,
Sunnyvale, California 94089, (US), (Applicant designated States: all)

INVENTOR:

Khairkhahan, Alexander, 3310 Montgomery Drive, Santa Clara, 95054, (US)
Mueller, Richard L., 559 Weddel Drive, Sunnyvale, 94089, (US)
Horzowski, Michael, 3310 Montgomery Drive, Santa Clara, 95054, (US)
Murphy-Chutorian, Douglas, 559 Weddel Drive, Sunnyvale, 94089, (US)
Harman, Stuart D., 559 Weddel Drive, Sunnyvale, 94089, (US)

LEGAL REPRESENTATIVE:

Nicholls, Kathryn Margaret et al (60341), MEWBURN ELLIS York House 23
Kingsway, London WC2B 6HP, (GB)

PATENT (CC, No, Kind, Date): EP 908194 A2 990414 (Basic)
EP 908194 A3 000809

APPLICATION (CC, No, Date): EP 98307745 980924;

PRIORITY (CC, No, Date): US 59892 970924; US 156964 980918

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS (V7): A61M-025/01

ABSTRACT WORD COUNT: 55

NOTE:

Figure number on first page: 5A

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9915	650
SPEC A	(English)	9915	7448
Total word count - document A			8098
Total word count - document B			0
Total word count - documents A + B			8098

...SPECIFICATION The drug delivery conduit with piercing needle is inserted through the working channel of the **device** to treat the desired number of drug delivery tissue sites. The **drug** flow is communicated from a reservoir through **drug** conduit and is **dispensed** through piercing needle subsequent to advance of piercing needle through the distal tip of **device** . **Drugs** can be **delivered** to tissue via advanceable drug **conduits** with piercing needle tips which pass through a working channel of the instrument.

FIG. 8...

...drug, solution or other agent or compound is communicated from the module 300 through the **drug conduit** and is **dispensed** through **drug delivery** needle 101 subsequent to advance of **drug** delivery needle 101 through the distal tip 118 of **device** 100. The distal tip 118 of elongated catheter jacket 110 of catheter device 100 can...

21/3,K/3 (Item 3 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2006 European Patent Office. All rts. reserv.

01004416

Steerable catheter with tip alignment and surface contact detector
Lenkbaker katheter mit Spitzenausrichtung und Flachekontakt-detektor

Catheter orientable a alignement de la pointe et detedteur de contacte

PATENT ASSIGNEE:

ECLIPSE SURGICAL TECHNOLOGIES, Inc., (1258482), 1049 Kiel Court,
Sunnyvale, California 94089, (US), (Applicant designated States: all)

INVENTOR:

Khairkahan, Alexander, 1105 Lincoln Avenue, Palo Alto, California 94301,
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Horzewski, Michael J, 6032 Running Springs Road, San Jose, California
95136, (US)

Harman, Stuart D, 4321 Beechmont Avenue, San Jose, California 95136, (US)

Mueller, Richard L., 2305 Cypress Point, Byron, California 94514, (US)

Murphy-Chutorian, Douglas R, 151 Lowell Avenue, Palo Alto, California
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Rosinko, Michael J, 1614 Husted Avenue, San Jose, California 95125, (US)

LEGAL REPRESENTATIVE:

Nicholls, Kathryn Margaret et al (60341), MEWBURN ELLIS York House 23
Kingsway, London WC2B 6HP, (GB)

PATENT (CC, No, Kind, Date): EP 904797 A2 990331 (Basic)

EP 904797 A3 000809

APPLICATION (CC, No, Date): EP 98307746 980924;

PRIORITY (CC, No, Date): US 59892 970924; US 156963 980918

DESIGNATED STATES: AT; BE; DE; ES; FR; GB; IT; NL; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS (V7): A61M-025/01

ABSTRACT WORD COUNT: 91

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9913	759
SPEC A	(English)	9913	11529
Total word count - document A			12288
Total word count - document B			0
Total word count - documents A + B			12288

...SPECIFICATION The drug delivery conduit with piercing needle is inserted through the working channel of the **device** to treat the desired number of drug delivery tissue sites. The **drug** flow is communicated from a reservoir through **drug** conduit and is **dispensed** through piercing needle subsequent to advance of piercing needle through the distal tip of **device** . **Drugs** can be **delivered** to tissue via advanceable drug **conduits** with piercing needle tips which pass through a working channel of the instrument.

FIG. 8A...

21/3,K/4 (Item 4 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2006 European Patent Office. All rts. reserv.

00939841

Laser assisted drug delivery

Laserunterstutzte Arzneimittelabgabe

Administration de medicaments assistee par laser

PATENT ASSIGNEE:

Eclipse Surgical Technologies, Inc., (1258483), 559 Weddell Drive,
Sunnyvale, California 94089, (US), (applicant designated states:

AT;BE;CH;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)

INVENTOR:

Murphy-Chutorian, Douglas, 559 Weddell Drive, Sunnyvale, California 94089
, (US)

Mueller, Richard L., 559 Weddell Drive, Sunnyvale, California 94089, (US)

Harman, Stuart D., 559 Weddell Drive, Sunnyvale, California 94089, (US)

Daniel, Steven A., 559 Weddell Drive, Sunnyvale, California 94089, (US)

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LEGAL REPRESENTATIVE:

Nicholls, Kathryn Margaret et al (60341), MEWBURN ELLIS York House 23
Kingsway, London WC2B 6HP, (GB)

PATENT (CC, No, Kind, Date): EP 853921 A2 980722 (Basic)

EP 853921 A3 981202

APPLICATION (CC, No, Date): EP 97310538 971223;

PRIORITY (CC, No, Date): US 773430 961227; US 773872 961227

DESIGNATED STATES: AT; BE; DE; ES; FR; GB; IT; NL; SE

INTERNATIONAL PATENT CLASS (V7): A61B-017/36;

ABSTRACT WORD COUNT: 154

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9830	1036
SPEC A	(English)	9830	12791
Total word count - document A			13827
Total word count - document B			0
Total word count - documents A + B			13827

...SPECIFICATION distal end 512 of the laser delivery means 502, as
desired.

In-Line Drug Delivery **Apparatus**

FIG. 13A is a representative isometric view of a preferred embodiment
of an in-line **drug delivery apparatus** for **dispensing drug** into
the **conduits** described above where the laser **delivery** cable passes
through the **drug delivery apparatus** itself. FIG. 13B is a partial
detail view of the connector of a preferred embodiment...

...CLAIMS the one or more drugs between the connector and the distal end of
the laser **delivery** means, the one or more **drug conduits** thereby
dispensing the one or more **drugs** adjacent the distal end of the
laser delivery means.

12. The **apparatus** of claim 11 in which the at least one drug conduit
comprises:

an annular space...

21/3,K/5 (Item 5 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00889405

Dosing device

Dosiervorrichtung

Paul Obiniyi

EIC 3600

26-Jun-06

Dispositif de dosage**PATENT ASSIGNEE:**

Albiani, Claudio, (2335970), 139, Via Del Duca, 52045 Foiano Della Chiana (Arezzo), (IT), (applicant designated states: DE;FR;GB)
Fрати, Franco, (2335980), 3, Via G. Verga, Frazione Camucia, 52042 Cortona (Arezzo), (IT), (applicant designated states: DE;FR;GB)

INVENTOR:

Albiani, Claudio, 139, Via Del Duca, 52045 Foiano Della Chiana (Arezzo), (IT)
Fрати, Franco, 3, Via G. Verga, Frazione Camucia, 52042 Cortona (Arezzo), (IT)

LEGAL REPRESENTATIVE:

Bardini, Marco Luigi et al (51191), c/o Societa Italiana Brevetti S.p.A.
Corso dei Tintori, 25, 50122 Firenze, (IT)

PATENT (CC, No, Kind, Date): EP 812595 A1 971217 (Basic)

APPLICATION (CC, No, Date): EP 97830277 970610;

PRIORITY (CC, No, Date): IT 96FI140 960611

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS (V7): A61M-001/00

ABSTRACT WORD COUNT: 146

LANGUAGE (Publication,Procedural,Application): English; English; Italian

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9712W2	695
SPEC A	(English)	9712W2	2327
Total word count - document A			3022
Total word count - document B			0
Total word count - documents A + B			3022

...SPECIFICATION it is possible to restore the dispensing condition. It should also be noted that, when **passages** 30 are in line with arched **portions** 13a, any possibility of **dispensing** the **drug**, and consequently any risk of an uncontrolled use of the dosing **device**, is prevented.

An alternative embodiment of the dosing device according to the invention, which is...

21/3,K/6 (Item 6 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00819554

Application device for liquid drug onto the mucous membrane of body cavities

Vorrichtung zum Aufbringen von Medikamentenflüssigkeit auf Schleimhaute in Körperhöhlungen

Dispositif pour l'application d'un medicament liquide sur la muqueuse des cavites corporelles

PATENT ASSIGNEE:

Schulke & Mayr GmbH, (2251611), Robert-Koch-Str. 2, 22851 Norderstedt, (DE), (Proprietor designated states: all)

INVENTOR:

Grothoff, Hans, Pulverstr. 55, 44225 Dortmund, (DE)
Harke, Hans-Peter, Dr., Theodor-Fahr-Str. 27, 22419 Hamburg, (DE)
Hennig, Frank, Grillenweg 18a, 24610 Trappenkamp, (DE)
Neumann, Gerd, Dr., Alaskaweg 18, 22145 Hamburg, (DE)

LEGAL REPRESENTATIVE:

UEXKULL & STOLBERG (100011), Patentanwälte Beselerstrasse 4, 22607
Hamburg, (DE)
PATENT (CC, No, Kind, Date): EP 761246 A1 970312 (Basic)
EP 761246 B1 011121
APPLICATION (CC, No, Date): EP 96250169 960807;
PRIORITY (CC, No, Date): DE 19530879 950810
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; IT; LI; NL; SE
INTERNATIONAL PATENT CLASS (V7): A61M-003/02
TRANSLATED ABSTRACT WORD COUNT: 80
ABSTRACT WORD COUNT: 119
NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): German; German; German
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(German)	EPAB97	494
CLAIMS B	(English)	200147	581
CLAIMS B	(German)	200147	462
CLAIMS B	(French)	200147	595
SPEC A	(German)	EPAB97	1796
SPEC B	(German)	200147	1769
Total word count - document A			2291
Total word count - document B			3407
Total word count - documents A + B			5698

...CLAIMS application of liquid medication to mucous membranes inside body cavities, with:
a manually controllable pump **device** (2) on a **medication** reservoir (1) for **dispensing** liquid **medication** under pressure from an **outlet** (5),
a **delivery** tube (6), connected with the **outlet** (5), with longitudinal bore (24) throughout, and
a distributor body (7), connected to the opposite...

21/3,K/7 (Item 7 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2006 European Patent Office. All rts. reserv.

00761067

INHALER APPARATUS WITH OPTIMISATION CHAMBER
INHALATOR MIT OPTIMIERUNGSKAMMER
INHALATEUR A CHAMBRE D'OPTIMISATION

PATENT ASSIGNEE:

NORTON HEALTHCARE LIMITED, (928462), Gemini House Flex Meadow, Harlow
Essex CM19 5TJ, (GB), (Proprietor designated states: all)

INVENTOR:

BELL, John, H., 34 Fairmount Drive, Loughborough Leicestershire LE11 3JR,
(GB)

LEGAL REPRESENTATIVE:

Watkins, David et al (77081), Urquhart-Dykes & Lord, 91 Wimpole Street,
London W1M 8AH, (GB)

PATENT (CC, No, Kind, Date): EP 774986 A1 970528 (Basic)
EP 774986 B1 000216
WO 9604948 960222

APPLICATION (CC, No, Date): EP 95924415 950615; WO 95GB1390 950615

PRIORITY (CC, No, Date): GB 9416486 940816

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC;

NL; PT; SE
INTERNATIONAL PATENT CLASS (V7): A61M-015/00
NOTE:

No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200007	177
CLAIMS B	(German)	200007	172
CLAIMS B	(French)	200007	226
SPEC B	(English)	200007	2664
Total word count - document A			0
Total word count - document B			3239
Total word count - documents A + B			3239

...SPECIFICATION drug by means of a compact inhaler system.

The invention is a breath-operated inhaler **device** comprising an actuator body, a pressurised **medicament dispenser** containing **medicament** in suspension or in solution in propellant means, and **medicament delivery outlet** means through which medicament is **delivered** in response to inhalation by a user, wherein said actuator body actuates said medicament dispenser...

CLAIMS 1. A breath-operated inhaler **device** comprising an actuator body (20), a pressurised **medicament dispenser** (40) containing **medicament** in suspension or in solution in propellant means, and **medicament delivery outlet** means (23) through which medicament is **delivered** in response to inhalation by a user, wherein said actuator body (20) actuates said medicament...

21/3,K/8 (Item 8 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00701145

METERED AEROSOL DISPENSING APPARATUS AND METHOD OF USE THEREOF
VORRICHTUNG ZUR DOSIERTEN ABGABE VON AEROSOLEN UND VERFAHREN ZU IHRER
VERWENDUNG

APPAREIL DISTRIBUTEUR D'AEROSOL DOSE ET SON MODE D'UTILISATION

PATENT ASSIGNEE:

GLAXO WELLCOME INC., (1199031), 5 Moore Drive, Box 13398, Research Triangle Park, North Carolina 27709, (US), (applicant designated states: AT;BE;CH;DE;DK;ES;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)

INVENTOR:

BARGER, Lee, Allen, Glaxo Inc., Five Moore Drive, Research Triangle Park, NC 27709, (US)

BOWYER, Terence, George, Henry, Glaxo Inc., Five Moore Drive, Research Triangle Park, NC 27709, (US)

BRITTO, Ignatius, Loy, Glaxo Inc., Five Moore Drive, Research Triangle Park, NC 27709, (US)

FRANKLIN, Michael, Leon, Glaxo Inc., Five Moore Drive, Research Triangle Park, NC 27709, (US)

LEGAL REPRESENTATIVE:

Teuten, Andrew John et al (79832), Glaxo Wellcome plc, Glaxo Wellcome House, Berkeley Avenue, Greenford, Middlesex UB6 0NN, (GB)

PATENT (CC, No, Kind, Date): EP 726864 A1 960821 (Basic)

EP 726864 B1 990303
WO 9512533 950511
APPLICATION (CC, No, Date): EP 94932144 941101; WO 94US12551 941101
PRIORITY (CC, No, Date): US 146563 931102
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC;
NL; PT; SE
INTERNATIONAL PATENT CLASS (V7): B65D-083/54;
NOTE:

No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9909	629
CLAIMS B	(German)	9909	551
CLAIMS B	(French)	9909	743
SPEC B	(English)	9909	3932
Total word count - document A			0
Total word count - document B			5855
Total word count - documents A + B			5855

...SPECIFICATION allows fluid within the metering chamber 7 to pass into exhaust port 21 and through **dispensing passage** 19; **delivering** a predetermined dosage of **medicament** . The dosage delivered by aerosol **dispensing apparatus** 1 may be varied by increasing or decreasing the volume of metering chamber 7 or...

21/3,K/9 (Item 9 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2006 European Patent Office. All rts. reserv.

00465025

Liquid infusion device.

Infusionsvorrichtung fur Flussigkeiten.

Dispositif d'infusion de liquides.

PATENT ASSIGNEE:

NISSHO CORPORATION, (752513), 9-3, Honjo-nishi 3-chome Kita-ku, Osaka-shi
, (JP), (applicant designated states: BE;DE;FR;GB;IT)

INVENTOR:

Tsujikawa, Hajime, 5-19, Hama-cho, Otsu-shi, Shiga-ken, (JP)
Hiejima, Katsuhiko, 1621, Kasayama, Minakasa-machi, Kusatsu-shi,
Shiga-ken, (JP)

LEGAL REPRESENTATIVE:

Turk, Gille, Hrabal, Leifert (100971), Brucknerstrasse 20, D-40593
Dusseldorf, (DE)

PATENT (CC, No, Kind, Date): EP 464761 A1 920108 (Basic)
EP 464761 B1 940921

APPLICATION (CC, No, Date): EP 91110914 910702;

PRIORITY (CC, No, Date): JP 90178964 900705; JP 90211789 900811

DESIGNATED STATES: BE; DE; FR; GB; IT

INTERNATIONAL PATENT CLASS (V7): A61M-005/152;

ABSTRACT WORD COUNT: 137

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	466
SPEC A	(English)	EPABF1	4371
Total word count - document A			4837

Total word count - document B 0
Total word count - documents A + B 4837

...CLAIMS inner shaft supporter has at least one port for liquid drug communicating with the inlet/ outlet portion .
2. The device of Claim 1, wherein a plug for injecting liquid drug is provided in the inlet/ outlet portion , and the liquid- drug - dispensing portion has at one end thereof an injection needle to be stuck into the plug.
3...

21/3,K/10 (Item 10 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2006 European Patent Office. All rts. reserv.

00398015

Surgical soap dispenser.

Spender fur medizinische Seife.

Distributeur de savon medical.

PATENT ASSIGNEE:

JOHNSON & JOHNSON MEDICAL, INC., (1220693), 25 Arbrook Boulevard, P.O.
Box 130, Arlington, Texas 76004-130, (US), (applicant designated
states: ES;IT;NL)

INVENTOR:

Albert, Stephen B., 190 E O'Keefe No.2, Menlo Park, CA 94025, (US)
Thomas, Benjamin W., 3134 Puttenham Way, Fremont, CA 94536, (US)

LEGAL REPRESENTATIVE:

Mercer, Christopher Paul et al (46611), Carpmaels & Ransford 43,
Bloomsbury Square, London WC1A 2RA, (GB)

PATENT (CC, No, Kind, Date): EP 383617 A1 900822 (Basic)
EP 383617 B1 931027

APPLICATION (CC, No, Date): EP 90301686 900216;

PRIORITY (CC, No, Date): US 312018 890216

DESIGNATED STATES: ES; IT; NL

INTERNATIONAL PATENT CLASS (V7): A47K-005/12; G01F-011/08; F04B-043/12;

ABSTRACT WORD COUNT: 138

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	1156
CLAIMS B	(German)	EPBBF1	773
CLAIMS B	(French)	EPBBF1	826
SPEC B	(English)	EPBBF1	2994
Total word count - document A			0
Total word count - document B			5749
Total word count - documents A + B			5749

...SPECIFICATION may be introduced into the soap supply.

Summary of the Invention

The present invention, however, provides a new dispenser which supplies a metered dose of scrub soap product without user contact of the device or the introduction of air into the soap supply. The device may be adjusted to customize the quantity of soap product.

The dispenser according to the...

21/3,K/11 (Item 11 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2006 European Patent Office. All rts. reserv.

00273576

Liquid dosing device.

Vorrichtung zum Dosieren einer Flüssigkeit.

Dispositif de dosage de liquide.

PATENT ASSIGNEE:

THE ENGLISH GLASS COMPANY LIMITED, (365540), Scudamore Road, Leicester
LE3 1UG, (GB), (applicant designated states:
AT;BE;CH;DE;ES;FR;GB;GR;IT;LI;LU;NL;SE)

INVENTOR:

Law, Brian, 11 Meadhurst Road, Leicester, (GB)

Wass, Anthony, The Mousehole Duddington, Stamford Lincolnshire, (GB)

LEGAL REPRESENTATIVE:

Gura, Henry Alan et al (31311), MEWBURN ELLIS & CO. 2/3 Cursitor Street,
London EC4A 1BQ, (GB)

PATENT (CC, No, Kind, Date): EP 274256 A1 880713 (Basic)
EP 274256 B1 920325

APPLICATION (CC, No, Date): EP 87311096 871216;

PRIORITY (CC, No, Date): GB 8630207 861217; GB 8707862 870402; GB 8719553
870819

DESIGNATED STATES: AT; BE; CH; DE; ES; FR; GB; GR; IT; LI; LU; NL; SE

INTERNATIONAL PATENT CLASS (V7): B67D-001/00; B67D-005/02; G01F-013/00;

ABSTRACT WORD COUNT: 192

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	588
CLAIMS B	(German)	EPBBF1	569
CLAIMS B	(French)	EPBBF1	641
SPEC B	(English)	EPBBF1	5654
Total word count - document A			0
Total word count - document B			7452
Total word count - documents A + B			7452

...SPECIFICATION already described, and not just with that of the third embodiment.

Figure 8 shows a **device**, being a sixth **embodiment** of the invention, which is **adapted to provide** for **rapid** restoration of the obturator member to its starting position without providing means such as a...

21/3,K/12 (Item 12 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00138226

Implantable hand-operable dispensers for fluid medicaments.

Implantierbare, handbedienbare Abgabeeinrichtung für flüssige Medikamente.

Dispositif implantable et operable à main pour administrer des médicaments fluides.

PATENT ASSIGNEE:

CORDIS CORPORATION, (280670), 3901 Biscayne Boulevard, Miami Florida
33137, (US), (applicant designated states: DE;FR;GB;IT;NL;SE)

INVENTOR:

de Vries, Gerrit, Zijpendaal 47, NL-9301 WE Roden, (NL)
Leuvelde, Jozef Gerhardus Maria, Diepswal 12, NL-9351 TA Leek, (NL)
Kleijn, Johan Willem, Zijpendaal 36, NL-9301 WG Roden, (NL)

LEGAL REPRESENTATIVE:

Smulders, Theodorus A.H.J. et al (21191), Verenigde Octrooibureaux
Nieuwe Parklaan 107, NL-2587 BP 's-Gravenhage, (NL)

PATENT (CC, No, Kind, Date): EP 143503 A2 850605 (Basic)
EP 143503 A3 850710
EP 143503 B1 890201

APPLICATION (CC, No, Date): EP 84201719 841123;
PRIORITY (CC, No, Date): NL 834030 831123; NL 84489 840215
DESIGNATED STATES: DE; FR; GB; IT; NL; SE
INTERNATIONAL PATENT CLASS (V7): A61M-005/14;
ABSTRACT WORD COUNT: 101

LANGUAGE (Publication,Procedural,Application): English; English; English

...ABSTRACT blocking assemblies are provided and positioned so that they cooperate with each other along a **medicament** flow **channel** within the **device** in order to **provide** a controlled **dispensing** of a unit **dose** of **medicament** to the desired remote location. The **medicament** flow channel includes a blocking assembly at its downstream end.

21/3,K/13 (Item 13 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00957669

IMPLANTABLE DRUG DELIVERY DEVICE AND USE THEREOF

DISPOSITIF D'ADMINISTRATION DE MEDICAMENT IMPLANTABLE ET UTILISATION ASSOCIEE

Patent Applicant/Assignee:

MASSACHUSETTS EYE AND EAR INFIRMARY, 243 Charles Street, Boston, MA 02114
, US, US (Residence), US (Nationality)

THE CHARLES STARK DRAPER LABORATORY INC, 555 Technology Square,
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Inventor(s):

ADAMIS Anthony P, 15 Pond Circle Road, Jamaica Plain, MA 02130, US,
MILLER Joan W, 40 Westland Avenue, Winchester, MA 01890, US,
GRAGOUDAS Evangelos S, 15 Fairfield Drive, Lexington, MA 02420, US,
BORENSTEIN Jeffrey T, 936 Highland Street, Holliston, MA 01746, US,
MESCHER Mark J, 2053 Commonwealth Avenue, Auburndale, MA 02466, US,
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DUBE Christopher E, 27 Hayward Ave., Lexington, MA 02421, US,
HANSBERRY Mitchell L, 30 Richards Road, Southborough, MA 01772, US,

Legal Representative:

GREENHALGH Duncan A (agent), Testa, Hurwitz & Thibault, L.L.P., High
Street Tower, 125 High Street, Boston, MA 02110, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200289767 A1 20021114 (WO 0289767)

Application: WO 2002US14279 20020502 (PCT/WO US0214279)

Priority Application: US 2001288373 20010503; US 2001291340 20010516; US
2001291445 20010516; US 2001332199 20011121; US 2001332200 20011121; US
2001334177 20011129

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ

EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 17405

Fulltext Availability:

Detailed Description

Detailed Description

... within the body.

U.S. Patent No. 6@283,949 B 1 discloses an implantable **drug** delivery **device** that includes a reservoir, a **dispensing** chamber adjacent to the reservoir, a **dispensing passage provided** along an interior surface of the dispensing chamber, and an actuator for applying a moving compressive force onto the **dispensing** passage. As a compressive force applied by the actuator moves along the **dispensing** passage, **drug** is simultaneously ejected out of the **dispensing passage** into a catheter for **delivery** to the target site, and additional **drug** is drawn into the **dispensing** passage from the reservoir. The size of this type of **device** may limit its applicability when implantation into a small body cavity is desired.

U.S...

21/3,K/14 (Item 14 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00947230 **Image available**

MEDICAMENT DISPENSER

DISTRIBUTEUR DE MEDICATION

Patent Applicant/Assignee:

GLAXO GROUP LIMITED, Glaxo Wellcome House, Berkeley Avenue, Greenford, Middlesex UB6 ONN, GB, GB (Residence), GB (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

BONNEY Stanley George, GlaxoSmithKline PLC, Park Road, Ware, Herts SG12 ODP, GB, GB (Residence), GB (Nationality), (Designated only for: US)

JONES Anthony Patrick, GlaxoSmithKline PLC, Park Road, Ware, Herts SG12 ODP, GB, GB (Residence), GB (Nationality), (Designated only for: US)

ROBERTSON Duncan, GlaxoSmithKline PLC, Park Road, Ware, Herts SG12 ODP, GB, GB (Residence), GB (Nationality), (Designated only for: US)

Legal Representative:

SPAARGAREN Jerome (agent), Electronic Intellectual Property, Suite 308, The Foundry, 156 Blackfriars Road, London SE1 8EN, GB,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200281015 A1 20021017 (WO 0281015)

Application: WO 2002GB1530 20020402 (PCT/WO GB0201530)

Priority Application: GB 20018213 20010402

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 10524

Fulltext Availability:

Detailed Description

Detailed Description

... present invention include a dispenser and a refill. It is to be noted that the **dispenser** is not limited to a **device** comprising a **medicament outlet**; the **outlet** may be **provided** on the refill. The **dispenser** is a **device** containing elements for the control of a **dispensing** operation in which **medicament**, originally contained in the refill, is **dispensed**.

PG4446 29

21/3,K/15 (Item 15 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00944904 **Image available**

MEDICAMENT DISPENSER WITH AUTHENTICATION

DISTRIBUTEUR DE MEDICAMENT

Patent Applicant/Assignee:

GLAXO GROUP LIMITED, Glaxo Wellcome House, Berkeley Avenue, Greenford, Middlesex UB6 ONN, GB, GB (Residence), GB (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

BONNEY Stanley George, GlaxoSmithKline PLC, Park Road, Ware, Herts SG12 ODP, GB, GB (Residence), GB (Nationality), (Designated only for: US)

JONES Anthony Patrick, GlaxoSmithKline PLC, Park Road, Ware, Herts SG12 ODP, GB, GB (Residence), GB (Nationality), (Designated only for: US)

ROBERTSON Duncan, GlaxoSmithKline PLC, Park Road, Ware, Herts SG12 ODP, GB, GB (Residence), GB (Nationality), (Designated only for: US)

Legal Representative:

SPAARGAREN Jerome (agent), Electronic Intellectual Property, Suite 308, The Foundry, 156 Blackfriars Road, London SE1 8EN, GB,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200278595 A2-A3 20021010 (WO 0278595)

Application: WO 2002GB1558 20020402 (PCT/WO GB0201558)

Priority Application: GB 20018228 20010402

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI

SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English
Filing Language: English
Fulltext Word Count: 10957

Fulltext Availability:
Detailed Description

Detailed Description

... present invention include a dispenser and a refill. It is to be noted that the **dispenser** is not limited to a **device** comprising a **medicament outlet**; the **outlet** may be **provided** on the refill. The **dispenser** is a **device** containing elements for the control of a **dispensing** operation in which **medicament**, originally contained in the refill, is **dispensed**.

21/3,K/16 (Item 16 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT
(c) 2006 WIPO/Univentio. All rts. reserv.

00944903 **Image available**

MEDICAMENT DISPENSER

DISTRIBUTEUR DE MEDICAMENT

Patent Applicant/Assignee:

GLAXO GROUP LIMITED, Glaxo Wellcome House, Berkeley Avenue, Greenford, Middlesex UB6 0NN, GB, GB (Residence), GB (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

BONNEY Stanley George, GlaxoSmithKline PLC, Park Road, Ware, Herts SG12 ODP, GB, GB (Residence), GB (Nationality), (Designated only for: US)
JONES Anthony Patrick, GlaxoSmithKline PLC, Park Road, Ware, Herts SG12 ODP, GB, GB (Residence), GB (Nationality), (Designated only for: US)
ROBERTSON Duncan, GlaxoSmithKline PLC, Park Road, Ware, Herts SG12 ODP, GB, GB (Residence), GB (Nationality), (Designated only for: US)

Legal Representative:

SPAARGAREN Jerome (agent), Electronic Intellectual Property, Suite 308, The Foundry, 156 Blackfriars Road, London SE1 8EN, GB,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200278594 A2-A3 20021010 (WO 0278594)
Application: WO 2002GB1553 20020402 (PCT/WO GB0201553)
Priority Application: GB 20018215 20010402

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English
Filing Language: English

Fulltext Word Count: 10588

Fulltext Availability:
Detailed Description

Detailed Description

... present invention include a dispenser and a refill. It is to be noted that the **dispenser** is not limited to a **device** comprising a **medicament outlet**; the **outlet** may be **provided** on the refill. The **dispenser** is a **device** containing elements for the control of a **dispensing** operation in which **medicament**, originally contained in the refill, is **dispensed**.

21/3,K/17 (Item 17 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00944902 **Image available**

MEDICAMENT DISPENSER

DISTRIBUTEUR DE MEDICAMENTS

Patent Applicant/Assignee:

GLAXO GROUP LIMITED, Glaxo Wellcome House, Berkeley Avenue, Greenford, Middlesex UB6 0NN, GB, GB (Residence), GB (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

BONNEY Stanley George, GlaxoSmithKline PLC, Park Road, Ware, Herts SG12 ODP, GB, GB (Residence), GB (Nationality), (Designated only for: US)

JONES Anthony Patrick, GlaxoSmithKline PLC, Park Road, Ware, Herts SG12 ODP, GB, GB (Residence), GB (Nationality), (Designated only for: US)

ROBERTSON Duncan, GlaxoSmithKline PLC, Park Road, Ware, Herts SG12 ODP, GB, GB (Residence), GB (Nationality), (Designated only for: US)

Legal Representative:

SPAARGAREN Jerome (agent), Electronic Intellectual Property, Suite 308, The Foundry, 156 Blackfriars Road, London SE1 8EN, GB,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200278593 A2-A3 20021010 (WO 0278593)

Application: WO 2002GB1549 20020402 (PCT/WO GB0201549)

Priority Application: GB 20018208 20010402

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 10795

Fulltext Availability:
Detailed Description

Detailed Description

... present invention include a dispenser and a refill. It is to be noted

that the **dispenser** is not limited to a **device** comprising a **medicament outlet**; the **outlet** may be **provided** on the refill. The **dispenser** is a **device** containing elements for the control of a **dispensing** operation in which **medicament**, originally contained in the refill, is **dispensed**.

1 5

21/3,K/18 (Item 18 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00940594 **Image available**

AEROSOL GENERATION USING STERILE MULTIPLE DOSE CONTAINERS

GENERATION D'AEROSOL AU MOYEN DE RECIPIENTS A DOSES MULTIPLES STERILES

Patent Applicant/Assignee:

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200274375 A1 20020926 (WO 0274375)

Application: WO 2002US8628 20020319 (PCT/WO US0208628)

Priority Application: US 2001813451 20010320

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 10216

Fulltext Availability:

Detailed Description

Detailed Description

... accordance with the present invention it is possible to deliver a wide range of different **drugs**.

The mouthpiece of the **dispensing device** provides a **conduit** through which the aerosolized **drug** is **delivered** to the patient. As such, the mouthpiece may be permanently or removably attached and may...

21/3,K/19 (Item 19 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00938383 **Image available**

OCULAR DRUG DELIVERY NEBULIZER

NEBULISEUR OCULAIRE D'ADMINISTRATION DE MEDICAMENTS

Patent Applicant/Assignee:

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Patent Applicant/Inventor:

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200272169 A2-A3 20020919 (WO 0272169)

Application: WO 2002US6896 20020308 (PCT/WO US0206896)

Priority Application: US 2001274215 20010309

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 5215

Fulltext Availability:

Detailed Description

Detailed Description

... blink reflex preferably being avoided. In addition, there is a need
for an ocular drug **delivery device** that has a disposable fluid **path**
so that sterility may be achieved from one **drug dispensation** to the
next **dispensation**. Also, there is a need for an ocular **drug delivery**
device that provides a means for self-sterilization so that the fluid
path need not be...

21/3,K/20 (Item 20 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2006 WIPO/Univentio. All rts. reserv.

00870285 **Image available**

DISPENSING APPARATUS

DISPOSITIF DISTRIBUTEUR

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Patent Applicant/Inventor:

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(Residence), GB (Nationality), (Designated only for: US)
BEKEN Sally, Trewin, 4 Whichers Gate Road, Rowlands Castle, Hampshire PO9
6BB, GB, GB (Residence), GB (Nationality), (Designated only for: US)
Legal Representative:
BOULT WADE TENNANT (et al) (agent), Verulam Gardens, 70 Gray's Inn Road,
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Patent and Priority Information (Country, Number, Date):
Patent: WO 200204056 A1 20020117 (WO 0204056)
Application: WO 2001GB2897 20010628 (PCT/WO GB0102897)
Priority Application: GB 200016670 20000706; GB 200020600 20000821
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL
TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 4691

Fulltext Availability:
Detailed Description

Detailed Description
... and like preparations'into the vagina.

A common feature of all of the above described
apparatus is that an **outlet** is **provided** through which
the **medicament** is **dispensed**. The **outlet** may be a
mouthpiece in the case of, for example, oral actuators
and spacers or...

21/3,K/21 (Item 21 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2006 WIPO/Univentio. All rts. reserv.

00868413 **Image available**

ACTUATOR COMPRISING MOVEABLE MEMBRANE
ACTIONNEUR COMPRENANT UNE MEMBRANE MOBILE

Patent Applicant/Assignee:

INNOVATA BIOMED LIMITED, The Ziggurat, Grosvenor Road, St. Albans AL1 3HW
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Legal Representative:

HARRISON GODDARD FOOTE (agent), Tower House, Merrion Way, Leeds LS2 8PA,
GB,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200202168 A1 20020110 (WO 0202168)
Application: WO 2001GB2954 20010705 (PCT/WO GB0102954)

Priority Application: GB 200016478 20000705
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL
TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 3757

Fulltext Availability:
Claims

Claim
... at the distal. end of the strip and loaded at the end adjacent to the
dispensing conduits .

23 A pressure activated **medicament delivery device** according to
claim 15
wherein one or more conduits lead from the mouthpiece to the...

21/3,K/22 (Item 22 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2006 WIPO/Univentio. All rts. reserv.

00866515 **Image available**

DELIVERY DEVICE

DISPOSITIF D'ADMINISTRATION

Patent Applicant/Assignee:

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Patent Applicant/Inventor:

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GB,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200200279 A1 20020103 (WO 0200279)
Application: WO 2001GB2854 20010628 (PCT/WO GB0102854)
Priority Application: GB 200015801 20000628

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL
TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 5067

Fulltext Availability:
Detailed Description
Claims

English Abstract

There is described a **medicament delivery device** comprising a metering member adapted to **dispense** a measured amount of **medicament**, an actuator (3), a **medicament delivery passage** and a **delivery passage** cover (4) adapted to move from a closed to an open position, characterised in that...

Detailed Description

... actuator until a protective cover is removed, but which also permits multiple actuations of the **device**.

Thus, according to the invention we provide a **medicament delivery device** comprising a metering member adapted to **dispense** a measured amount of **medicament**, an actuator, a **medicament delivery passage** and a **delivery passage** cover adapted to move from a closed to an open position, characterised in that the...

Claim

1 A **medicament delivery device** comprising a metering member adapted to **dispense** a measured amount of **medicament**, an actuator, a **medicament delivery passage** and a **delivery passage** cover adapted to move from a closed to an open position, characterised in that the...

21/3,K/23 (Item 23 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00864635 **Image available**

MEDICAMENT DISPENSER

DISTRIBUTEUR DE MEDICAMENT

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Patent Applicant/Inventor:

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RAND Paul Kenneth, Glaxo Wellcome plc., Park Road, Ware, Herts. SG12 0DP, GB, GB (Residence), GB (Nationality), (Designated only for: US)

Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200197886 A1 20011227 (WO 0197886)
Application: WO 2001EP6304 20010605 (PCT/WO EP0106304)

Priority Application: GB 200015034 20000621
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS
LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ
TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 4806

Fulltext Availability:
Detailed Description

Detailed Description
... where simplicity and ease of use is paramount.

The Applicants have therefore now devised a **medicament dispenser** having a **dispensing** outlet cover in which the actions of the transfer of a **dose** from to a **delivery** position and the opening of the **dispensing outlet** cover to reveal the dispensing outlet are operable in tandem. The **device** is therefore simple and straightforward to 'prime' for use by a patient.

According to one...

21/3,K/24 (Item 24 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00786200 **Image available**

FLOW CONTROL AND FILTRATION METHOD AND APPARATUS
PROCEDE ET APPAREIL DE FILTRATION ET DE REGULATION DU DEBIT

Patent Applicant/Assignee:

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Legal Representative:

HOPKINS Brian P (et al) (agent), Fitzpatrick, Cella, Harper & Scinto, 30
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Patent and Priority Information (Country, Number, Date):

Patent: WO 200119438 A1 20010322 (WO 0119438)
Application: WO 2000US25145 20000913 (PCT/WO US0025145)
Priority Application: US 99153647 19990913

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 3677

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... surface into the
airflow.

In yet another aspect of the present invention, a
method of **dispensing** a **medicament** in a **drug** delivery
20 **device** is presented, The **drug** **delivery** **device** includes
a medicament reservoir having an **outlet** positioned
adjacent an aerosol generation surface, an airflow
flowing over

Claim

... for entraining aerosolized
particles generated by said surface into said
airflow.

29 A method of **dispensing** a **medicament** in a **drug**
delivery **device**, said **drug** **delivery** **device**
including a **medicament** reservoir having an **outlet**
positioned adjacent an aerosol generation surface,
an airflow flowing over said surface, and a valve...

21/3,K/25 (Item 25 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00784362 **Image available**

INHALATION COUNTER DEVICE

DISPOSITIF D'INHALATION MUNI D'UN COMPTEUR

Patent Applicant/Assignee:

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STRAUB Mariann, 1185 Chatfield, Winnetka, IL 60093, US, US (Residence),
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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200117597 A1 20010315 (WO 0117597)

Application: WO 2000US24545 20000907 (PCT/WO US0024545)

Priority Application: US 99391169 19990908

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 10634

Fulltext Availability:

Detailed Description

Detailed Description

... in proximity to and in fluid communication with the nozzle lumen 74.

If the inhalation **device** 10 is used with **medicament dispenser** 26, the protruding 25 portion or outlet valve member (not shown) of the **medicament dispenser** 26 is inserted into the first opening 80 and passageway 78, so that the **dispenser** is supported by the support 76. The outlet valve member of the **medicament dispenser** 26 can be depressed to move the **dispenser** 26 relative to the nozzle, thus opening a valve in the **medicament dispenser** 26 so that a pre-measured **dose** of **medicament** will be discharged. One **dose** 30 of **medicament** will be discharged each time the **dispenser** 26 is fully depressed. The **medicament** is discharged into the passageway 78 through second opening 82 into the nozzle lumen 74...in proximity to and in fluid communication with the nozzle lumen 74.

If the inhalation **device** 10 is used with **medicament dispenser** 26, the protruding **portion** or **outlet** valve member (not shown) of the **medicament dispenser** 26 is inserted into the first opening 80 and the passageway 78, so that the...are can now be operably associated with the advance tube 46. Furthermore, if the inhalation **device** 10 is used with **medicament dispenser** 26, the protruding **portion** or **outlet** valve member (not shown) of the **medicament dispenser** 26 is inserted into first opening 80 and passageway 78, so that the dispenser is...

21/3,K/26 (Item 26 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00769160 **Image available**

SANITARY APPARATUS

APPAREIL SANITAIRE

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AU (Residence), AU (Nationality)

Legal Representative:

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3000, AU

Patent and Priority Information (Country, Number, Date):

Patent: WO 200102652 A1 20010111 (WO 0102652)

Application: WO 2000AU813 20000705 (PCT/WO AU0000813)

Priority Application: AU 991388 19990705

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 4934

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... flow from said water outlet, and when said second valve is closed the liquid cleanser **dispenser device** is operated to **deliver** a **dose** of cleanser to said cleanser **outlet**.

The liquid cleanser **dispenser device** may include a **dispenser** body defining a tubular bore containing a piston, said dispenser body being connectable to said...

Claim

... flow from said water outlet, and when said second valve is closed the liquid cleanser **dispenser device** is operated to **deliver** a **dose** of cleanser to said cleanser **outlet**.

6 An **apparatus** according to any preceding claim, wherein the liquid cleanser dispenser device includes a dispenser body...

21/3,K/27 (Item 27 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2006 WIPO/Univentio. All rts. reserv.

00762973 **Image available**

DELIVERY SYSTEM

SYSTEME D'ADMINISTRATION

Patent Applicant/Assignee:

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except: US)

Patent Applicant/Inventor:

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Industrial Estate, Tewkesbury GL20 8NB, GB, GB (Residence), GB
(Nationality), (Designated only for: US)

Legal Representative:

HARRISON GODDARD FOOTE (agent), Tower House, Merrion Way, Leeds LS2 8PA,

GB,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200074754 A2-A3 20001214 (WO 0074754)
Application: WO 2000GB2017 20000605 (PCT/WO GB0002017)
Priority Application: GB 9913047 19990605; GB 9916283 19990713
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES
FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU
LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR
TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 3860

Fulltext Availability:
Claims

Claim

... to a first position in which the medicament is transferred to a measuring chamber, the **device** is then moved to a second position in which medicament is transferred to a **dispensing** chamber and to a third position where **medicament** is **delivered** into the **delivery passage** .
15 A medicament **delivery** device which is an inhaler and comprises a **medicament** reservoir, an inhalation **passage** and a metering member **provided** with at least one **dispensing** cup and adapted to transfer a measured **dose** of **medicament** from the **medicament** reservoir to the inhalation **passage** characterised in that the **dispensing** cup is **provided** with an air duct.
12
. An inhaler according to Claim 15 characterised in that the...

21/3,K/28 (Item 28 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2006 WIPO/Univentio. All rts. reserv.

00738568 **Image available**

NASAL DELIVERY DEVICE

DISPOSITIF D'ADMINISTRATION NASALE

Patent Applicant/Inventor:

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NO (Nationality)

Patent and Priority Information (Country, Number, Date):

Patent: WO 200051672 A1 20000908 (WO 0051672)
Application: WO 2000IB273 20000303 (PCT/WO IB0000273)
Priority Application: GB 994906 19990303; GB 9911686 19990519

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB
GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA
MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA
UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 13145

Fulltext Availability:

Claims

Claim

... 9 to I 1, wherein the movable member is a rotatable member.

13 The delivery **device** of any of claims 9 to 12, further comprising a
dispensing unit for **dispensing** a **dose** of a substance into the
delivery channel .

14 The **delivery device** of claim I . wherein the **delivery** unit
comprises a
mouthpiece and a **channel** connecting the mouthpiece to the nosepiece,
the
channel being configured to receive the substance to...

21/3,K/29 (Item 29 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00518552 **Image available**

DISPENSING MEANS

DISPOSITIF DIFFUSEUR

Patent Applicant/Assignee:

QUEST INTERNATIONAL B V,

BEHAN John Martin,

PERRING Keith Douglas,

Inventor(s):

BEHAN John Martin,

PERRING Keith Douglas,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9949904 A1 19991007

Application: WO 99GB998 19990331 (PCT/WO GB9900998)

Priority Application: EP 98302568 19980401

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE
GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK
MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN
YU ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE
CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN
GW ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 4515

Fulltext Availability:
Detailed Description

Detailed Description

... can be provided in
the form of disposable sealed capsules, so that replacement
of a **capsule** provides a ready means of changing the liquid
to be **dispensed**. The use of the **device** can be further
simplified if a set of **capsules** for the respective fluid
entry **conduits** is **provided** as a single unit.

It will be understood that if devices according
to the invention...

21/3,K/30 (Item 30 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00494052 **Image available**

DRUG DELIVERY DEVICE

DISPOSITIF D'ADMINISTRATION DE MEDICAMENTS

Patent Applicant/Assignee:

P A KNOWLEDGE LIMITED,
POLEY John,
SEENEY Philip,

Inventor(s):

POLEY John,
SEENEY Philip,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9925404 A1 19990527
Application: WO 98GB3451 19981116 (PCT/WO GB9803451)
Priority Application: GB 9724223 19971118

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH
GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW
MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW
GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK
ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE
SN TD TG

Publication Language: English

Fulltext Word Count: 3427

Fulltext Availability:
Detailed Description
Claims

Detailed Description

... variations thereof, and is not intended to limit the scope of the
application.

In the **device** of the invention the **dose** regulation chamber 6 or,
alternatively, the **dispensing channel** 8 is **provided** with a bypass
valve 10. Bypass valve 10 comprises a cavity provided in the ...provided
or alternatively at
least one bypass valve is provided in either or both the **dose**
regulation

chamber 6 or the **dispensing channel 8**.

The **dispensing device** is suitably **provided** with an electronic circuit means (not shown) which can be programmed to control the operation...

Claim

... and in a second mode said pump means acts such that substantially no fluid is **dispensed**.

2 A **drug delivery device** according to Claim I wherein said reservoir comprises an exit **portion** comprising a **dispensing chamber** and associated **dispensing channel** which is in fluid connection with a storage portion of said reservoir.

3 A drug...

21/3,K/31 (Item 31 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00392897 **Image available**

DOSAGE COUNTER FOR METERED DOSE INHALER (MDI) SYSTEMS USING A MINIATURE PRESSURE SENSOR

COMPTEUR DE DOSES POUR SYSTEMES D'INHALATEURS DOSEURS UTILISANT UN CAPTEUR DE PRESSION MINIATURE

Patent Applicant/Assignee:

ONEIDA RESEARCH SERVICES INC,

Inventor(s):

ROCCI Mario L Jr,
ROSSITER Daniel J,
ISENSEE Robert K,
FERRARA Michael L,
SALERNO Allen H,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9733640 A1 19970918

Application: WO 97US3478 19970313 (PCT/WO US9703478)

Priority Application: US 96616152 19960314

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU
IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL
PT RO RU SD SE SG SI SK TJ TM TR TT UA UG UZ VN YU GH KE LS MW SD SZ UG
AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL
PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 5814

Fulltext Availability:

Claims

Claim

... comprises a cylindrical canister having an outer circumferential dimension at said delivery

end, and said **delivery apparatus** comprises a cylindrical **channel** for sealingly receiving said canister **delivery** end, lie The **drug dispensing apparatus** as set forth in claim 1 further comprising a motion detector for detecting a shaking...said predetermined pressure; a pressure sensor for detecting the changes in pressure in said transfer **passage** ; and a **delivery passage** in communication with said transfer is **passage** for **providing** said metered **dose** of said **drug** to a patient,
24m

13 The **drug dispensing apparatus** as set forth in claim 3.2 further comprising a display and means responsive to...

21/3,K/32 (Item 32 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00264066

AUTOMATED DRUG INFUSION SYSTEM

SYSTEME DE PERFUSION AUTOMATIQUE DE MEDICAMENT

Patent Applicant/Assignee:

ABBOTT LABORATORIES,

Inventor(s):

JOHNSON Noel L,

HUANG Terry Jyh-Yi,

BURNSIDE Robert R,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9412235 A1 19940609

Application: WO 93US11033 19931115 (PCT/WO US9311033)

Priority Application: US 92981673 19921125

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AU CA JP AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 8903

Fulltext Availability:

Detailed Description

Detailed Description

... system.

Detailed Description of the Preferred Embodiments

Figure 1 shows an ADI pumping system for **dispensing drugs** and fluids for a patient intravenously from one or more **drug** and fluid supply containers. The Figure 1 **apparatus** includes three substantially equal drug **delivery channels** 4, 6 and 8. and a fluid **delivery channel** 10.

Drug **delivery** parameters are entered and displayed via a touch screen 14, Fluid parameters are entered via...

21/3,K/33 (Item 33 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT
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00245514

**MEDICATION DISPENSING BALLOON CATHETER
CATHETER A BALLONNET A LIBERATION DE MEDICAMENTS**

Patent Applicant/Assignee:

BOSTON SCIENTIFIC CORPORATION,

Inventor(s):

WANG James C,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9319800 A1 19931014

Application: WO 93US2419 19930317 (PCT/WO US9302419)

Priority Application: US 92862415 19920402

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

CA JP AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 3334

Fulltext Availability:

Claims

Claim

... to predetermined locations within a

bodily organ;

means to inflate said balloon and means to **deliver**

medications to said **conduits** ;

means to **dispense medications** from said conduits to
said bodily organ;

9 The medical **device** according to claim 8 wherein
said conduits are arranged around said balloon, said con
duits...

21/3,K/34 (Item 34 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT
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00228401 **Image available**

**CLOSURE DEVICE AND METHOD OF UTILISING SAME
DISPOSITIF DE FERMETURE ET SON PROCEDE D'UTILISATION**

Patent Applicant/Assignee:

LEICESTERSHIRE HEALTH AUTHORITY,

WHITE Peter John Pitt,

RAITT David Gordon,

Inventor(s):

WHITE Peter John Pitt,

RAITT David Gordon,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9302651 A1 19930218

Application: WO 92GB1410 19920730 (PCT/WO GB9201410)

Priority Application: GB 9116489 19910731

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

GB JP US AT BE CH DE DK ES FR GB GR IT LU MC NL SE

Publication Language: English

Fulltext Word Count: 4057
Fulltext Availability:
Detailed Description

Detailed Description

... the invention relates to the administration of medication in liquid form by the use of **apparatus** such as a syringe. From the syringe,, the liquid **medication** is **dispensed** either through a needle for direct penetration into a patient's body, or the liquid **medication** is **delivered** to the patient through alternative **conduit** means, in a manner well known in the field of medicine, eg an in-dwelling...

21/3,K/35 (Item 35 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00227510

TWO-STAGE MIXING AND DISPENSING ASSEMBLY FOR PREPARATIONS SUCH AS DENTAL CEMENTS

ENSEMBLE MELANGEUR ET DISTRIBUTEUR EN DEUX ETAPES POUR DES PREPARATIONS TELLES QUE DES CEMENTS DENTAIRE

Patent Applicant/Assignee:

MINNESOTA MINING AND MANUFACTURING COMPANY,

Inventor(s):

MARTIN Thomas W,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9301759 A1 19930204

Application: WO 92US4708 19920604 (PCT/WO US9204708)

Priority Application: US 91995 19910725; US 92872 19920416

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AU CA JP KR AT BE CH DE DK ES FR GB GR IT LU MC NL SE

Publication Language: English

Fulltext Word Count: 5293

Fulltext Availability:
Detailed Description "
Claims

Detailed Description

... piston received in the chamber, The piston is movable in the chamber along a limited **path** of travel toward 20 the front end **portion** , The **capsule** includes a barrier in the chamber. The assembly further includes a **dispensing device** including a housing having a receptacle with a reference axis. The receptacle includes structure for...

Claim

... received in said chamber,
said piston being movable in said chamber along a
10 limited **path** of travel toward said front end **portion** ,
said **capsule** including a barrier in said chamber; and
a **dispensing device** including a housing
having a receptacle with a reference axis, said

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 File 35:Dissertation Abs Online 1861-2006/Jun
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 File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
 (c) 2002 The Gale Group
 File 65:Inside Conferences 1993-2006/Jun 26
 (c) 2006 BLDSC all rts. reserv.
 File 2:INSPEC 1898-2006/Jun W2
 (c) 2006 Institution of Electrical Engineers
 File 144:Pascal 1973-2006/Jun W1
 (c) 2006 INIST/CNRS
 File 474:New York Times Abs 1969-2006/Jun 25
 (c) 2006 The New York Times
 File 475:Wall Street Journal Abs 1973-2006/Jun 23
 (c) 2006 The New York Times
 File 99:Wilson Appl. Sci & Tech Abs 1983-2006/May
 (c) 2006 The HW Wilson Co.

Set	Items	Description
S1	109	(CAPSULE? ? OR DOSE OR DRUG OR MEDICAMENT OR MEDICATION? ? OR TABLET? ? OR PHARMAC? OR PHARMACEUT? OR DRUG? ? OR MEDICINE? ?) (7N) (DISPENS? OR VENDING) (7N) (MACHINE? ? OR APPARATUS - OR DEVICE? ?)
S2	167834	WHEEL? ? OR ROLLER? ? OR (ROTAT? OR REVOLV? OR ROTARY OR SPIN? ? OR SPINN??? OR CIRCUMROTAT??? OR TRANSPORT) () (ELEMENT? ? OR MEMBER? ?) OR ROTOR? ? OR ROTAT?R? ? OR DRUM? ?
S3	58213	(CHANNEL? ? OR PATH? ? OR TROUGH? ? OR PASSAGE? ? OR OUTLET? ? OR CONDUIT? ? OR SLOPE? ? OR SLOPING OR TRENCH?? OR FURROW? ?) (7N) (SUPPL??? OR DELIVER??? OR PROVID??? OR ALLOCAT? OR ASSIGN? OR PORTION? OR SHAR?)
S4	94963	SPRING(5N) PUSH(5N) PIN? ? OR PUSH(5N) PIN? ? OR PIN? ?
S5	1653	(CAM? ? OR CAMSHAFT? ? OR CAM() SHAFT? ? OR CAM() LOBE? ?) (7-N) (TRIGGER? OR INITIALI? OR ACTIVATE? OR ACTUAT?)
S6	34937	(UNLOCK??? OR OPEN??? OR UNLATCH?? OR UNSEAL??? OR RELEASE?? OR UNFASTEN??? OR UNCLOS???) (7N) (CHANNEL? ? OR PATH? ? OR TROUGH? ? OR PASSAGE? ? OR OUTLET? ? OR CONDUIT? ? OR SLOPE? ? OR SLOPING OR TRENCH?? OR FURROW? ?)
S7	16426	(CLOS??? OR SEALED OR LOCKED OR SHUT OR SECURED OR FASTENED) (7N) (CHANNEL? ? OR PATH? ? OR TROUGH? ? OR PASSAGE? ? OR OUTLET? ? OR CONDUIT? ? OR SLOPE? ? OR SLOPING OR TRENCH?? OR FURROW? ?)
S8	0	AU=(VASIADIS, V? OR VASIADIS V?)
S9	0	S1 AND S2
S10	0	S1 AND S3
S11	0	S1 AND S4
S12	0	S1 AND S5
S13	0	S1 AND S6
S14	0	S1 AND S7
S15	89	S1 NOT PY>2002
S16	87	RD (unique items)
S17	6	S16 AND (CHANNEL? ? OR PATH? ? OR TROUGH? ? OR PASSAGE? ? OR OUTLET? ? OR CONDUIT? ? OR SLOPE? ? OR SLOPING OR TRENCH?? OR FURROW? ?)

17/3,K/1 (Item 1 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)
(c) 2002 The Gale Group. All rts. reserv.

09935667

Taisho energy drinks now distributed to over 7,000 Japanese stores/s\

Japan: Distribution **channel** expanded by Taisho
BeverAsia (UCO) Sep 2002 p.19
Language: ENGLISH

Japan: Distribution **channel** expanded by Taisho

In Japan, the distribution **channel** to distribute its energy beverage series has been expanded by Taisho **Pharmaceuticals** (Taisho). In 2002, the energy beverage by Taisho is available at 100,000 **vending machines** and 7,000 supermarkets or stores. Taisho is a **pharmaceutical** firm based in Japan.

17/3,K/2 (Item 2 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)
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06382060

Preservativos y parafarmacia negocio para pocos

SPAIN: REVIEW OF CONDOM MARKET
Aral (ARA) Sep 1996 p.70
Language: SPANISH

... condoms were sold on the Spanish market, 11.9% were sold through mass market distribution **channels**, 4.4% through **vending machines**, 76.3% through **pharmacies** and 7.3% through alternative **channels**. Total turnover in the sector in 1995 was Pta 15,440mn. Mass market **channels** have increased distribution turnover 8.4% in mobile year March-April, 1996, and volume sales...

17/3,K/3 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2006 Institution of Electrical Engineers. All rts. reserv.

08337588 INSPEC Abstract Number: B2002-09-2575F-007

Title: Microdispenser array for highly parallel and accurate liquid handling

Author(s): Koltay, P.; Steger, R.; Birkle, G.; Huang, H.-C.; Sandmaier, H.; Zengerle, R.

Author Affiliation: IMTEK, Freiburg Univ., Germany

Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA)
vol.4590 p.195-203

Publisher: SPIE-Int. Soc. Opt. Eng,

Publication Date: 2001 Country of Publication: USA

CODEN: PSISDG ISSN: 0277-786X

SICI: 0277-786X(2001)4590L.195:MAHP;1-E

Material Identity Number: C574-2002-135

U.S. Copyright Clearance Center Code: 0277-786X/01/\$15.00

Conference Title: BioMEMS and Smart Nanostructures

Conference Sponsor: SPIE; U.S. Air Force Office of Sci. Res.; Asian

Office of Aerosp. Res. & Dev.; et al
Conference Date: 17-19 Dec. 2001 Conference Location: Adelaide, SA,
Australia
Language: English
Subfile: B
Copyright 2002, IEE

...Abstract: of volumes down to a few nanoliters is a key issue for modern bioanalytical and **pharmaceutical** research and industry. In this paper we present a modular **dispensing device** for the highly accurate delivery of liquids in the range of 10 nL - 500 nL...

...or syringe-solenoid systems presently used in laboratory automation. The accurate and very robust multi **channel** system which is modularly built out of individual dispensers is able to handle a variety...

...Identifiers: multi- **channel** system...

17/3,K/4 (Item 1 from file: 144)
DIALOG(R)File 144:Pascal
(c) 2006 INIST/CNRS. All rts. reserv.

16115741 PASCAL No.: 03-0274365

Novel low cost fabrication of microneedle arrays for drug delivery applications

Nano- and microtechnology : materials, processes, packaging, and systems : Melbourne, 16-18 December 2002

TAN P Y J; XU Y; CHEW Y T; LI Z; KONG Y P

SOOD Dinesh K, ed; MALSHE Ajay P, ed; MAEDA Ryutaro, ed

Institute of Materials Research and Engineering, National University of Singapore, Singapore; Dept. of Mech. Eng., National University of Singapore, Singapore

International Society for Optical Engineering, Bellingham WA, United States

Nano- and microtechnology : materials, processes, packaging, and systems. Conference (Melbourne AUS) 2002-12-16

Journal: SPIE proceedings series, 2002, 4936 113-118

Language: English

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... array has been mounted on a polycarbonate platform. which consist of laser ablated cavities and **channel** for external connection to drug source. In consideration of the contour of human's skin and the geometry of the microneedle tip, which has walls of **sloping** gradient corresponding to the (111) -planes. the height of the microneedle array is 200 μ ...

English Descriptors: Man; Transdermal system; **Drug dispensation** ; Needle ; Miniaturization; Micromechanical **devices** ; Anisotropic etching; Lift off; Silicon; Copper; Electrodeposition

17/3,K/5 (Item 2 from file: 144)
DIALOG(R)File 144:Pascal
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15774804 PASCAL No.: 02-0488274

Geometry-based macro-tool evaluation of non-moving-part valvular

microchannels

FELDT Christian; CHEW Larry

Mechanical, Materials and Aerospace Engineering Department, Engineering Room 307 University of Central Florida, 4000 Central Florida Blvd., Orlando, FL 32816-2450, United States

Journal: Journal of micromechanics and microengineering, 2002, 12 (5) 662-669

Language: English

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...delivery systems. To improve valve effectiveness, these 'valves'-which are little more than rectangular, multiple- **path channels** -require configurations that retard reverse-direction flow as much as possible relative to forward-direction...

English Descriptors: Precision engineering; Miniaturization;

Microelectromechanical **device** ; Fluidics; Microfluid; Valve; Microvalves ; Human; Delivery system; **Drug dispensation** ; Modeling; Experimental study

17/3,K/6 (Item 3 from file: 144)

DIALOG(R) File 144:Pascal

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14381575 PASCAL No.: 00-0034872

Comparisons of the effects of different long-acting delivery systems on the pharmacokinetics and pharmacodynamics of diltiazem

SMITH D H G; NEUTEL J M; WEBER M A

Memorial Research Medical Clinic, Long Beach, California, United States; Orange County Heart Institute and Research Center, Orange, California, United States; The Brookdale University Hospital and Medical Center, Brooklyn, New York, United States

Journal: American journal of hypertension, 1999, 12 (10 PART1) 1030-1037

Language: English

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The benzothiazepine calcium **channel** antagonist diltiazem is a short-acting drug. To achieve effective 24-h blood pressure control...

... importance as a result of the recent reports relating the use of short-acting calcium **channel** antagonists to increased cardiovascular morbidity. This study examines the pharmacokinetics and resulting pharmacodynamics of two...

English Descriptors: Diltiazem; **Device** ; **Drug dispensation** ;

Hypertension ; Treatment; Chemotherapy; Single daily **dose** ; Treatment efficiency; Comparative study; Human; Benzothiazepine derivatives

?

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File 15:ABI/Inform(R) 1971-2006/Jun 24
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File 9:Business & Industry(R) Jul/1994-2006/Jun 23
(c) 2006 The Gale Group

File 275:Gale Group Computer DB(TM) 1983-2006/Jun 23
(c) 2006 The Gale Group

File 621:Gale Group New Prod.Annou. (R) 1985-2006/Jun 23
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File 636:Gale Group Newsletter DB(TM) 1987-2006/Jun 23
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File 16:Gale Group PROMT(R) 1990-2006/Jun 23
(c) 2006 The Gale Group

File 160:Gale Group PROMT(R) 1972-1989
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File 148:Gale Group Trade & Industry DB 1976-2006/Jun 26
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File 610:Business Wire 1999-2006/Jun 26
(c) 2006 Business Wire.

File 810:Business Wire 1986-1999/Feb 28
(c) 1999 Business Wire

File 476:Financial Times Fulltext 1982-2006/Jun 27
(c) 2006 Financial Times Ltd

File 624:McGraw-Hill Publications 1985-2006/Jun 26
(c) 2006 McGraw-Hill Co. Inc

File 634:San Jose Mercury Jun 1985-2006/Jun 22
(c) 2006 San Jose Mercury News

File 20:Dialog Global Reporter 1997-2006/Jun 26
(c) 2006 Dialog

Set	Items	Description
S1	2837	(CAPSULE? ? OR DOSE OR DRUG OR MEDICAMENT OR MEDICATION? ? OR TABLET? ? OR PHARMAC? OR PHARMACEUT? OR DRUG? ? OR MEDICINE? ?) (7N) (DISPENS? OR VENDING) (7N) (MACHINE? ? OR APPARATUS - OR DEVICE? ?)
S2	1118921	WHEEL? ? OR ROLLER? ? OR (ROTAT? OR REVOLV? OR ROTARY OR SPIN? ? OR SPINN??? OR CIRCUMROTAT??? OR TRANSPORT) () (ELEMENT? ? OR MEMBER? ? OR ORGAN? ?) OR ROTOR? ? OR ROTAT?R? ? OR DRUM? ?
S3	716043	(CHANNEL? ? OR PATH? ? OR TROUGH? ? OR PASSAGE? ? OR OUTLET? ? OR CONDUIT? ? OR SLOPE? ? OR SLOPING OR TRENCH?? OR FURROW? ?) (7N) (SUPPL??? OR DELIVER??? OR PROVID??? OR ALLOCAT? OR ASSIGN? OR PORTION? OR SHAR?)
S4	393677	SPRING(5N) PUSH(5N) PIN OR PUSH(5N) PIN OR PIN
S5	4400	(CAM? ? OR CAMSHAFT? ? OR CAM() SHAFT? ? OR CAM() LOBE? ?) (7N) (TRIGGER? OR INITIALI? OR ACTIVATE? OR ACTUAT?)
S6	232457	(UNLOCK??? OR OPEN??? OR UNLATCH?? OR UNSEAL??? OR RELEASE?? OR UNFASTEN??? OR UNCLOS???) (7N) (CHANNEL? ? OR PATH? ? OR TROUGH? ? OR PASSAGE? ? OR OUTLET? ? OR CONDUIT? ? OR SLOPE? ? OR SLOPING OR TRENCH?? OR FURROW? ?)
S7	94316	(CLOS??? OR SEALED OR LOCKED OR SHUT OR SECURED OR FASTENED) (7N) (CHANNEL? ? OR PATH? ? OR TROUGH? ? OR PASSAGE? ? OR OUTLET? ? OR CONDUIT? ? OR SLOPE? ? OR SLOPING OR TRENCH?? OR FURROW? ?)
S8	0	AU=(VASIADIS, V? OR VASIADIS V?)
S9	15	S1(10N) S2
S10	11	RD (unique items)
S11	3	S1(7N) S3
S12	3	S11 NOT S10
S13	1	S1(7N) S4

S14	1	S13 NOT (S10 OR S12)
S15	0	S1(7N)S5
S16	0	S1(7N)(S6 OR S7)
S17	312	S2(7N)(S6 OR S7)
S18	13	S17(7N)S3
S19	13	RD (unique items)
S20	13	S19 NOT (S14 OR S10 OR S12)

10/3,K/1 (Item 1 from file: 9)

DIALOG(R)File 9:Business & Industry(R)
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03154312 Supplier Number: 108549781 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Pill-dispensing device offers independence.

(Emerging Technologies)

R&D Magazine, v 45, n 8, p 34

August 2003

DOCUMENT TYPE: Journal ISSN: 0746-9179 (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 447

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...Ross Whitaker, a member of the research group.

Device meets challenges

The result was a **machine** where **medication** is stored inside a locked box, which contains twelve waterwheel-shaped **dispensers**. With each **wheel** housing fifteen compartments, the **device** is capable of storing up to 180 pills overall. When a specific pill is required...

10/3,K/2 (Item 2 from file: 9)

DIALOG(R)File 9:Business & Industry(R)
(c) 2006 The Gale Group. All rts. reserv.

01647908 Supplier Number: 24279587 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Lever launches laundry tablet

(Lever Brothers introduces Persil Tablets , a tablet form laundry detergent for domestic laundry use; tablets are dispensed through a net bag in the drum of the washing machine , and are claimed to minimize waste)

Manufacturing Chemist, n 6, p 12

June 1998

DOCUMENT TYPE: Journal ISSN: 0262-4230 (United Kingdom)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 140

(Lever Brothers introduces Persil Tablets , a tablet form laundry detergent for domestic laundry use; tablets are dispensed through a net bag in the drum of the washing machine , and are claimed to minimize waste)

TEXT:

Lever Brothers has launched a **tablet** form laundry detergent, Persil **Tablets** , for domestic laundry use in the UK.

Tablets are **dispensed** through a net bag in the **drum** of the washing **machine** . Lever claims the easy dosage form reduces consumer effort and confusion. It is also claimed...

10/3,K/3 (Item 1 from file: 621)

DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
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03763208 Supplier Number: 119732777 (USE FORMAT 7 FOR FULLTEXT)
**Microchip Technology Debuts World's Largest Memory CAN Microcontroller
Packed Into a Tiny 28-pin Package.**

Business Wire, pNA

July 26, 2004

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 1016

... systems, power steering, anti-lock braking and stability sensing systems); industrial (DeviceNet(TM) interfaces, copy **machines**, hydraulic pressure regulators, motor control); computing (RAID systems and UPSs); consumer (tanning beds and **vending machines**); and medical (**pharmaceutical** distribution systems and **wheel** chairs).

Each microcontroller features Microchip's ECAN module, a flexible and easy-to-use CAN...

10/3,K/4 (Item 1 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2006 The Gale Group. All rts. reserv.

16346591 SUPPLIER NUMBER: 109029510 (USE FORMAT 7 OR 9 FOR FULL TEXT
)

Special delivery. (computer guided pill dispenser). (input output)

Ehrenman, Gayle

Mechanical Engineering-CIME, 125, 10, 84(1)

Oct, 2003

ISSN: 0025-6501

LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 717

LINE COUNT: 00058

... acrylic water wheel-type dispenser, and an LCD screen. The console is used to select **medications**. All of the pills are stored in a locked box that contains 12 waterwheel-shaped **dispensers**. Each **wheel** has 15 pill compartments, enabling the **device** to store a total of 180 pills.

To **dispense** one of the 12 **medications** that he takes throughout the day, Williams uses a mouth stick to push buttons on...

10/3,K/5 (Item 2 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2006 The Gale Group. All rts. reserv.

16298577 SUPPLIER NUMBER: 108549781 (USE FORMAT 7 OR 9 FOR FULL TEXT
)

Pill-dispensing device offers independence. (Emerging Technologies)

R & D, 45, 8, 34(1)

August, 2003

ISSN: 0746-9179

LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 489

LINE COUNT: 00043

... Ross Whitaker, a member of the research group.

Device meets challenges

The result was a **machine** where **medication** is stored inside a locked box, which contains twelve waterwheel-shaped **dispensers**. With each **wheel** housing fifteen compartments, the **device** is capable of storing up to 180 pills overall.

10/3,K/6 (Item 1 from file: 476)

DIALOG(R)File 476:Financial Times Fulltext
(c) 2006 Financial Times Ltd. All rts. reserv.

0010036778 BOJEMAJAA4FT

FRONT PAGE - COMPANIES & MARKETS: P&G takes on Persil Tablets

JOHN WILLMAN

Financial Times, Surveys ED, P 1

Monday, May 10, 1999

DOCUMENT TYPE: Stories; NEWSPAPER LANGUAGE: ENGLISH RECORD TYPE:
FULLTEXT

Word Count: 456

...half to clean, a green half to freshen.

They can be put straight into the **dispenser** drawer of the washing
machine . Persil **Tablets** have to be put in a net bag in the **drum** to
disperse the detergent. And once in contact with water, Ariel Tablets
effervesce to ensure...

10/3,K/7 (Item 1 from file: 634)

DIALOG(R)File 634:San Jose Mercury
(c) 2006 San Jose Mercury News. All rts. reserv.

04068913

DOSE OF CONVENIENCE PLANNED FOR PATIENTS

SAN JOSE MERCURY NEWS (SJ) - Tuesday, September 1, 1987

By: NANCY ROSS, Knight-Ridder News Service

Edition: Morning Final Section: Science & Medicine Page: 1E

Word Count: 783

...Bivins, head of trauma and critical care surgery at Henry Ford Hospital.
Bivins uses a **device** that lets surgical patients **dispense** their own
painkillers, within prescribed limits.

The patient-controlled **device** and other methods that administer **drugs**
more continuously are changing the bumpy **roller** -coaster ride to a smooth
and steady carrousel.

'A drug molecule really doesn't know...

10/3,K/8 (Item 1 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter
(c) 2006 Dialog. All rts. reserv.

29859802 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**StudentBuilt Pill Dispenser Gives Patient More Independence; HighTech
Device Allows Quadriplegic Man to Take Medication Without Nurse's Help**

ASCRIBE

June 26, 2003

JOURNAL CODE: WASC LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 817

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... We got a whole array of engineering experience while working on it."

In the finished **device**, Williams' **medicine** is stored inside a locked box that houses 12 waterwheel shaped **dispensers**. Each **wheel** has 15 pill compartments, enabling the **device** to store up to 180 pills altogether. When Williams needs a particular pill, he can...

10/3,K/9 (Item 2 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter
(c) 2006 Dialog. All rts. reserv.

14458710 (USE FORMAT 7 OR 9 FOR FULLTEXT)

2001: The real odyssey begins

DAVID MONTGOMERY

SCOTSMAN, p7

January 01, 2001

JOURNAL CODE: FSCT LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 1479

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... a single nickel blade that rotates eight times per second.

The idea is that such **devices**, smaller than a virus, could navigate through the human body, **dispensing drugs** where needed.

The tiny **rotors** are powered by the body's natural fuel, a chemical called ATP. In the lab...

10/3,K/10 (Item 3 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter
(c) 2006 Dialog. All rts. reserv.

05914615 (USE FORMAT 7 OR 9 FOR FULLTEXT)

***Soap majors cross swords over tablets**

SECTION TITLE: INTERNATIONAL

David Jones

INDIAN EXPRESS

June 01, 1999

JOURNAL CODE: WINE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 817

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... May, and will be "superior" to other products on the market.

Lever's round white **tablets** are placed in a special net **dispenser** in the washing **machine drum** but P&G's square, green and white square **tablets** can be placed in the **machine dispenser** drawer or direct in the **drum** with no need for a **dispensing** net.

P&G delayed its **tablet** launch by one month to make sure stocks were high enough to meet what it...

10/3,K/11 (Item 4 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter
(c) 2006 Dialog. All rts. reserv.

05562372 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Why rival soap giants hope we keep taking the tablets

SECTION TITLE: Business

YORKSHIRE POST

June 01, 1999

JOURNAL CODE: FYP LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 852

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... May - and will be "superior" to other products on the market. Lever's round white **tablets** are placed in a special net **dispenser** in the washing **machine drum** but P&G's square, green and white square **tablets** can be placed in the **machine dispenser** drawer or direct in the **drum** with no need for a **dispensing** net.

P&G delayed its **tablet** launch by a month to make sure stocks were high enough to meet what it...

?

12/3,K/1 (Item 1 from file: 9)
DIALOG(R)File 9:Business & Industry(R)
(c) 2006 The Gale Group. All rts. reserv.

02745499 Supplier Number: 25009718 (USE FORMAT 7 OR 9 FOR FULLTEXT)
POP insights: repositioning the team; still a contender in the race to satisfy sports drink consumers, Powerade dons new packaging, bulks up its formula and adds new flavors. (Brand Relaunch)

Point of Purchase, v 7, n 10, p 12(2)
October 2001
DOCUMENT TYPE: Journal ISSN: 1085-5009 (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 1098

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
...Primarily focused on c-stores, Powerade's POP marketing efforts easily translate to the supermarket, **drug** and mass **channels**. A large **portion** of the brand's sales also comes from **vending machines** in schools.

"We did 'curb-in' marketing, which is not something we've historically done...

12/3,K/2 (Item 2 from file: 9)
DIALOG(R)File 9:Business & Industry(R)
(c) 2006 The Gale Group. All rts. reserv.

00542952 Supplier Number: 23043004 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Germany: condoms
(OTC sales of ovulation & pregnancy test kits in Germany rose 11%, to DM114 mil in 1993)

OTC News & Market Report, n 71, p 280+
August 1994
DOCUMENT TYPE: Journal ISSN: 0956-2559 (United Kingdom)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 519

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
...coloured and flavoured condoms. Meanwhile, condoms with a more serious, medical image remain popular in **pharmacies**.

Although **vending machines** remain one of the most popular **outlets** for condom sales, their **share** has decreased over past years, as that of drug markets (large-scale drug stores) has...

12/3,K/3 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2006 The Gale Group. All rts. reserv.

03914256 SUPPLIER NUMBER: 07594783 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Inhalation therapy. (Continuing Education - Trends and Issues in Pharmacy Practice) (includes Test Questions)

Hickey, Anthony J.

Drug Topics, v133, n9, p60(10)

May 1, 1989

ISSN: 0012-6616

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 3865

LINE COUNT: 00308

... the surface of the actuator collects aerosol particles as they pass. Dry powder aerosol generators **deliver** aerosols via tortuous **channels** that collect or deaggregate large particles.

SPACER **DEVICES** Metered- **dose** inhalers **dispense** a plume of aerosol that may extend as much as 40 cm beyond the outlet...

?

14/3,K/1 (Item 1 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2006 Dialog. All rts. reserv.

27709721 (USE FORMAT 7 OR 9 FOR FULLTEXT)

The Miami Herald Chatroom Column

C.W. Griffin

KRTBN KNIGHT-RIDDER TRIBUNE BUSINESS NEWS - THE MIAMI HERALD - FLORID

February 24, 2003

JOURNAL CODE: KMHR LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 673

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... internally and using software developed internally, also will be popping up in Navarro's discount **pharmacies** and Tom Thumb gas stations and convenience stores.

The **vending machines** accept credit cards or cash for the \$35 plus tax. The **machines** spit out a card with a **PIN** number and receipt. The PIN is needed to access the online course at the website...

?

20/3,K/1 (Item 1 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

(c) 2006 ProQuest Info&Learning. All rts. reserv.

01821139 04-72130

Will ITMA give the textile economy a jump start?

Anonymous

Textile World v149n4 PP: 28-59+ Apr 1999

ISSN: 0040-5213 JRNL CODE: TXW

WORD COUNT: 11894

...TEXT: pressure, energy consumption and wear and tear from this function;

Single-piece box cover that **provides** an undivided fiber **channel** and patented 3-d coating of fiber **channel** and **opening roller** housing;

Higher **rotor** speeds;

Continuous trash removal with reversible belts and independent Clean-Sledge.

Corolab ABS is Schlafhorst...

20/3,K/2 (Item 1 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

(c) 2006 The Gale Group. All rts. reserv.

01757378 Supplier Number: 42904241 (USE FORMAT 7 FOR FULLTEXT)

Black & Decker product recycling meets positive response

Eco-Log Week, v20, n14, pN/A

April 10, 1992

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 494

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...and their nickel cadmium batteries, Black & Decker reports that in the Toronto area, two steel **drum** containers have already been filled, **sealed** and sent to its Brockville, Ont service **outlet** --and the **supply** of rebate coupons has been temporarily exhausted. It remains to be seen whether Canada's...

20/3,K/3 (Item 2 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

(c) 2006 The Gale Group. All rts. reserv.

01186139 Supplier Number: 41093547 (USE FORMAT 7 FOR FULLTEXT)

EQUIPMENT AND SERVICES - FLEXIBLE CARDING SYSTEM FOR NONWOVENS

Medical Textiles, pN/A

Jan, 1990

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 386

With seven of these random **rollers** , many **opening** , levelling and

doubling **passages** for the fibre are **provided** , so that a uniform random-laid fabric is produced at the doffer, which is followed...

20/3,K/4 (Item 1 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2006 The Gale Group. All rts. reserv.

05747206 Supplier Number: 50230533 (USE FORMAT 7 FOR FULLTEXT)

Ocean makes waves in Battersea

Sillitoe, Sue

Pro Sound News Europe, p12

July, 1998

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 143

The live room is **shared** with **Drum Shack**, a specialist percussion retail **outlet** located in the same premises **close** to Clapham Junction. Bhala says, 'When I opened the studio I envisaged that it would...

20/3,K/5 (Item 2 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2006 The Gale Group. All rts. reserv.

04153205 Supplier Number: 46064141

New owners reconstruct Allegany store

Business First of Buffalo, p6

Jan 15, 1996

Language: English Record Type: Abstract

Document Type: Magazine/Journal; Tabloid; Trade

ABSTRACT:

The **Wheels** Discount Auto **Supply** Stores **outlet** in Allegany, New York, which was **opened** in the fall of 1995, is to undergo major reconstruction by its new owners, Western...

20/3,K/6 (Item 3 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2006 The Gale Group. All rts. reserv.

02784692 Supplier Number: 43736382

Fay's sales, earnings robust

Chain Drug Review, p4

March 29, 1993

Language: English Record Type: Abstract

Document Type: Magazine/Journal; Tabloid; Trade

ABSTRACT:

...30/93 from 1%. Fay's opened or purchased 4 drug stores in FY93. It **opened** one Paper Cutter stationery **outlet** and 3 **Wheels** discount auto **supplies** stores to bring its totals in those divisions to 244 drug stores, 34 stationery outlets...

20/3,K/7 (Item 1 from file: 160)

DIALOG(R)File 160:Gale Group PROMT(R)
(c) 1999 The Gale Group. All rts. reserv.

00490673

Slope-compensating wheel struts to level a helicopter, US Pat 4,062,507 to DW Felder (Ft Campbell, Ky), would have pressure-responsive valves in the wheels' strut pistons connected through a valved, pilot-controlled tube.

Popular Science July, 1979 p. 25

With this valve **open**, compression of the up- **slope** wheel piston automatically increases pressure on the down- **slope** side, extending that wheel to **provide** firm, balanced support.

20/3,K/8 (Item 1 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2006 The Gale Group. All rts. reserv.

0016787077 SUPPLIER NUMBER: 114050816 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Cam-and-roller closers ideal for ADA applications.

Doors and Hardware, 68, 2, 24(4)

Feb, 2004

ISSN: 0361-5294

LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 1382 LINE COUNT: 00108

... means that more pull force is required to open the door. With the cam-and- **roller** design, resistance decreases naturally as the **opening** angle increases, allowing easier **passage**.

On **closing**, the cam-and- **roller** design **delivers** strong closing force from 30 to 0 degrees, exactly where it is most needed to...

20/3,K/9 (Item 2 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2006 The Gale Group. All rts. reserv.

15515739 SUPPLIER NUMBER: 94011853 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Pedestrian trenchers and plows simplify small jobs: these walk-along machines quickly and neatly handle a variety of in-ground installations.

(Rental Illustrated Trenchers and Plows).

Moore, Walt

Construction Equipment, 105, 10, S12(4)

Oct, 2002

ISSN: 0192-3978

LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 1464 LINE COUNT: 00113

... investigate machines with drive wheels that can be steered while digging. (Usually, of course, the **trencher**'s **wheels** are **locked** together to **provide** the most power for in-line trenching.) But,

20/3,K/10 (Item 1 from file: 624)

DIALOG(R)File 624:McGraw-Hill Publications
(c) 2006 McGraw-Hill Co. Inc. All rts. reserv.

0563913

LAUDERDALE GENERATING STATION Advanced gas turbines breathe new life into vintage reheat units: Nation's first repowering of reheat units is also proving, in a commercial setting, advanced gas-turbine technology. Station sets pace for upcoming utility projects

POWER, Vol. 138, No. 4, Pg 29

April, 1994

JOURNAL CODE: POW

SECTION HEADING: The 1994 Powerplant Award ISSN: 0032-5929

WORD COUNT: 1,124

TEXT:

... s air separator required a ``significant" design iteration. This component is a rotating cylinder which **provides** a **sealed path** for **rotor** cooling air to flow into the rotor. Cracking was observed at the interference fit between...

20/3,K/11 (Item 1 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

(c) 2006 Dialog. All rts. reserv.

47239112 (USE FORMAT 7 OR 9 FOR FULLTEXT)

SPECIAL FEATURE

Johanna Paola D. Poblete

BUSINESSWORLD (PHILIPPINES)

February 17, 2006

JOURNAL CODE: FBWP LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 1042

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... in service delivery. "That's the trend of innovation. You will see new and creative **delivery channels** - mall banks, which are **open** on weekends, and ATM on **wheels**, things like those. (There are also) add-on services like insurance (bundled with a loan...

20/3,K/12 (Item 2 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

(c) 2006 Dialog. All rts. reserv.

25526403 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Seaside heaven

SECTION TITLE: FEATURES

CHRISTCHURCH PRESS, 2 ed, p5

October 16, 2002

JOURNAL CODE: WTCP LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 690

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... silenced, Maranui enjoying a peaceful and tranquil existence. Access to the site is by four- **wheel** - drive, up a steep but **sealed shared** driveway. There is also a **path** that meanders up the hillside from Nayland Street. The home is at the end of...

20/3,K/13 (Item 3 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2006 Dialog. All rts. reserv.

12261267 (USE FORMAT 7 OR 9 FOR FULLTEXT)

India: Wheel imports for locomotives banned

BUSINESS LINE

August 07, 2000

JOURNAL CODE: FBLN LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 414

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... 20-30 per cent of the requirements could be met through imports so that the **channels** of **supplies** could be kept **open** .

Besides, a few **wheels** manufactured indigenously were found to be defective.

Officials, however, emphasised that there was no cause...

?